

New York State Department of Environmental Conservation
Facility DEC ID: 4381700019



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 4-3817-00019/00017
Mod 0 Effective Date: 04/16/2003 Expiration Date: No expiration date.
Mod 1 Effective Date: 03/09/2006 Expiration Date: No expiration date.

Permit Issued To: R P I
110 8TH ST
TROY, NY 12180-3522

Facility: R P I
110 8TH ST
TROY, NY 12181

Contact: CECILE MARS
R P I
110 8TH ST
TROY, NY 12180
(518) 276-6114

Description:

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: NANCY M ADAMS
1150 NORTH WESTCOTT RD
SCHENECTADY, NY 12306-2014

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 4
HEADQUARTERS



DEC GENERAL CONDITIONS
****** General Provisions ******
GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 2: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

Item 2.1:

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 2.2:

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 2.3:

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

Item 1.1:

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

Item 3.1:

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

Item 3.2:

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

Item 3.3:

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



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transfer of ownership.

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

Item 4.1:

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

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

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

Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 4 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 4 Headquarters
Division of Environmental Permits
1150 North Westcott Rd.
Schenectady, NY 12306-2014
(518) 357-2069



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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: R P I

110 8TH ST

TROY, NY 12180-3522

Facility:

R P I

110 8TH ST

TROY, NY 12181

Authorized Activity By Standard Industrial Classification Code:

8221 - COLLEGES AND UNIVERSITIES, NEC

Mod 0 Permit Effective Date: 04/16/2003

Permit Expiration Date: No expiration date.

Mod 1 Permit Effective Date: 03/09/2006

Permit Expiration Date: No expiration date.



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 3 6NYCRR 201-6.5(g): Non Applicable requirements
- 1-1 6NYCRR 201-7.2: Facility Permissible Emissions
- *1-2 6NYCRR 201-7.2: Capping Monitoring Condition
- *1-3 6NYCRR 201-7.2: Capping Monitoring Condition
- *1-4 6NYCRR 201-7.2: Capping Monitoring Condition
- 5 6NYCRR 225-1.8: Compliance Demonstration
- 6 6NYCRR 227-1.3(a): Compliance Demonstration

Emission Unit Level

EU=B-OILR1

- 7 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 8 40CFR 60.7(a), NSPS Subpart A: Date of construction notification.
- 9 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Demonstration
- 10 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Demonstration

EU=B-OILR1,Proc=003

- 11 6NYCRR 227-1.3: Compliance Demonstration
- 12 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 13 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 14 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 15 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Demonstration
- 16 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period.
- 23 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Demonstration
- 17 40CFR 60.44c(h), NSPS Subpart Dc: Alternative compliance methods for sulfur dioxide.
- 18 40CFR 60.45c(a), NSPS Subpart Dc: Compliance Demonstration
- 19 40CFR 60.46c(e), NSPS Subpart Dc: Exemption from sulfur dioxide monitoring requirements.
- 20 40CFR 60.48c(d), NSPS Subpart Dc: Compliance Demonstration
- 21 40CFR 60.48c(e)(11), NSPS Subpart Dc: Compliance Demonstration
- 22 40CFR 60.48c(f)(1), NSPS Subpart Dc: Compliance Demonstration

EU=B-OILRS,Proc=001

- 24 6NYCRR 227-1.3: Compliance Demonstration
- 25 6NYCRR 257-1.4: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 26 ECL 19-0301: Contaminant List
- 27 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 28 6NYCRR 201-5: Emission Unit Definition

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30 6NYCRR 211.2: Air pollution prohibited

Emission Unit Level

31 6NYCRR 201-5: Emission Point Definition By Emission Unit

32 6NYCRR 201-5: Process Definition By Emission Unit

NOTE: * preceding the condition number indicates capping.



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Sealing - 6NYCRR Part 200.5

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

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

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

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

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

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

Item C: Maintenance of Equipment - 6NYCRR Part 200.7

Any person who owns or operates an air contamination

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

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

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

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

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

Item E: Emergency Defense - 6NYCRR Part 201-1.5

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;

(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) The facility owner and/or operator notified the Department within two working days after the event



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occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

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

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

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

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

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

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item I: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR Part 201-3.3(a)

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



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criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item J: Required Emission Tests - 6 NYCRR Part 202-1.1

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

Item K: Visible Emissions Limited - 6 NYCRR Part 211.3

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

Item L: Open Fires - 6 NYCRR Part 215

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

Item M: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not



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limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item N: Federally Enforceable Requirements - 40 CFR 70.6(b)

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 3: Non Applicable requirements
Effective between the dates of 04/16/2003 and Permit Expiration Date

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

Item 3.1:

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

6NYCRR 227-2

Reason: The Part 201-6 cap also caps the facility out of NO_x RACT.

6NYCRR 231-2

Reason: This project is not subject to Part 231-2. Existing non-major facilities are subject to Part 231-2 only if the Project Emission Potential (PEP) is greater than the Major Facility Size Threshold (MFST). The PEP cannot be major since the facility is capped with this permit at less than the MFST. (see Part 231-2 flowchart FC-4).

40CFR 52-A.21



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Reason: This project is not subject to PSD. Existing minor facilities are subject to PSD only if the emissions increase from the modification is itself major. This emissions increase cannot be major since the facility is capped with this permit at less than the major source threshold.

Condition 1-1: Facility Permissible Emissions

Effective between the dates of 03/09/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 1-1.1:

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 000630-08-0 (From Mod 1) PTE: 190,000 pounds per year
Name: CARBON MONOXIDE

CAS No: 007446-09-5 (From Mod 1) PTE: 190,000 pounds per year
Name: SULFUR DIOXIDE

CAS No: 0NY210-00-0 (From Mod 1) PTE: 190,000 pounds per year
Name: OXIDES OF NITROGEN

Condition 1-2: Capping Monitoring Condition

Effective between the dates of 03/09/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 1-2.1:

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

6NYCRR 201-6.1

Item 1-2.2:

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

Item 1-2.3:

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



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of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 1-2.4:

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

Item 1-2.5:

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

Item 1-2.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 1-2.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

THE FACILITY WILL CAP OXIDES OF NITROGEN
EMISSIONS AT 95 TONS PER YEAR, WHICH IS
LESS THAN THE MAJOR SOURCE THRESHOLD.

FUEL USE WILL BE TRACKED FOR ALL
COMBUSTION SOURCES AND EMISSIONS WILL BE
CALCULATED USING EMISSION FACTORS
ACCEPTABLE TO THE DEPARTMENT, TO ENSURE
THAT EMISSIONS REMAIN LESS THAN THE CAP.
FUEL USE SHALL BE INCLUDED WITH THE
REQUIRED COMPLIANCE REPORTS.
FUEL USE AT EACH BOILER PLANT SHALL BE
MEASURED ON A DAILY BASIS USING FUEL
METERS ACCEPTABLE TO THE DEPARTMENT.
NATURAL GAS USE SHALL BE MEASURED USING
AN IN-LINE GAS BILLING METER. FUEL OIL
SHALL BE MEASURED USING A AN IN-LINE
TOTALIZING METER, FACTORY ASSEMBLED AND
CALIBRATED. FUEL METERS SHALL BE
MAINTAINED FOLLOWING MANUFACTURE'S



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RECOMMENDATIONS. FUEL USE FOR THE EMERGENCY GENERATORS AND VARIOUS OTHER EXEMPT COMBUSTION SOURCES WILL BE DETERMINED ON A CALENDAR YEAR BASIS USING PURCHASING RECORDS.

Parameter Monitored: FUEL

Upper Permit Limit: 95 tons 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 1/30/2007.

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

Condition 1-3: Capping Monitoring Condition

Effective between the dates of 03/09/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 1-3.1:

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

6NYCRR 201-6.1

Item 1-3.2:

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

Item 1-3.3:

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

Item 1-3.4:

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

Item 1-3.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the



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

Item 1-3.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-3.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

THE FACILITY WILL CAP SULFUR DIOXIDE
EMISSIONS AT 95 TONS PER YEAR, WHICH IS
LESS THAN THE MAJOR SOURCE THRESHOLD.

FUEL USE WILL BE TRACKED FOR ALL
COMBUSTION SOURCES AND EMISSIONS WILL BE
CALCULATED USING EMISSION FACTORS
ACCEPTABLE TO THE DEPARTMENT, TO ENSURE
THAT EMISSIONS REMAIN LESS THAN THE CAP.
FUEL USE SHALL BE INCLUDED WITH THE
REQUIRED COMPLIANCE REPORTS.
FUEL USE AT EACH BOILER PLANT SHALL BE
MEASURED ON A DAILY BASIS USING FUEL
METERS ACCEPTABLE TO THE DEPARTMENT.
NATURAL GAS USE SHALL BE MEASURED USING
AN IN-LINE GAS BILLING METER. FUEL OIL
SHALL BE MEASURED USING A AN IN-LINE
TOTALIZING METER, FACTORY ASSEMBLED AND
CALIBRATED. FUEL METERS SHALL BE
MAINTAINED FOLLOWING MANUFACTURE'S
RECOMMENDATIONS. FUEL USE FOR THE
EMERGENCY GENERATORS AND VARIOUS OTHER
EXEMPT COMBUSTION SOURCES WILL BE
DETERMINED ON A CALENDAR YEAR BASIS USING
PURCHASING RECORDS.

Parameter Monitored: FUEL

Upper Permit Limit: 95 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY



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Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due every 12 calendar month(s).

Condition 1-4: Capping Monitoring Condition
Effective between the dates of 03/09/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 1-4.1:

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

6NYCRR 201-6.1

Item 1-4.2:

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

Item 1-4.3:

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

Item 1-4.4:

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

Item 1-4.5:

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

Item 1-4.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-4.7:

Compliance Demonstration shall include the following monitoring:

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Capping: Yes

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

Monitoring Description:

THE FACILITY WILL CAP CARBON MONOXIDE
EMISSIONS AT 95 TONS PER YEAR, WHICH IS
LESS THAN THE MAJOR SOURCE THRESHOLD.

FUEL USE WILL BE TRACKED FOR ALL
COMBUSTION SOURCES AND EMISSIONS WILL BE
CALCULATED USING EMISSION FACTORS
ACCEPTABLE TO THE DEPARTMENT, TO ENSURE
THAT EMISSIONS REMAIN LESS THAN THE CAP.
FUEL USE SHALL BE INCLUDED WITH THE
REQUIRED COMPLIANCE REPORTS.
FUEL USE AT EACH BOILER PLANT SHALL BE
MEASURED ON A DAILY BASIS USING FUEL
METERS ACCEPTABLE TO THE DEPARTMENT.
NATURAL GAS USE SHALL BE MEASURED USING
AN IN-LINE GAS BILLING METER. FUEL OIL
SHALL BE MEASURED USING A AN IN-LINE
TOTALIZING METER, FACTORY ASSEMBLED AND
CALIBRATED. FUEL METERS SHALL BE
MAINTAINED FOLLOWING MANUFACTURE'S
RECOMMENDATIONS. FUEL USE FOR THE
EMERGENCY GENERATORS AND VARIOUS OTHER
EXEMPT COMBUSTION SOURCES WILL BE
DETERMINED ON A CALENDAR YEAR BASIS USING
PURCHASING RECORDS.

Work Practice Type: PROCESS MATERIAL THRUPUT

Upper Permit Limit: 95 tons 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 1/30/2007.

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

Condition 5: Compliance Demonstration
Effective between the dates of 04/16/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 225-1.8

Item 5.1:

The Compliance Demonstration activity will be performed for the Facility.

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Item 5.2:

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 a fuel analysis, information on the quantity of the fuel received, burned, and results of any stack sampling, stack monitoring and any other procedures to ensure compliance with the provisions of 6 NYCRR Part 225-1. All records shall be available for a minimum of three years.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 6:

Compliance Demonstration

Effective between the dates of 04/16/2003 and Permit Expiration Date

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

Item 6.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 6.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

Condition 7: EPA Region 2 address.
Effective between the dates of 04/16/2003 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 7.1:

This Condition applies to Emission Unit: B-OILR1

Item 7.2:

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

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

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

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

Condition 8: Date of construction notification.
Effective between the dates of 04/16/2003 and Permit Expiration Date

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

Item 8.1:

This Condition applies to Emission Unit: B-OILR1

Item 8.2:

Any owner or operator subject to this part shall furnish the Administrator with the following information:

- 1) a notification of the date construction or reconstruction commenced, post marked no later than 30 days after such date;
- 2) a notification of the anticipated date of initial start up, post marked not more than 60 days not less than 30 days prior to such date;

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- 3) a notification of the actual date of initial start up, post marked 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 the change is specifically exempted under this part. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;
- 5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, post marked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date; and
- 7) a notification that continuous opacity monitoring system data results will be used to determine compliance with the applicable opacity standard during the performance test, post marked not less than 30 days prior to the performance test.

Condition 9: Compliance Demonstration
Effective between the dates of 04/16/2003 and Permit Expiration Date

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

Item 9.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: B-OILR1

Item 9.2:

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

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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 10: Compliance Demonstration

Effective between the dates of 04/16/2003 and Permit Expiration Date

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

Item 10.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: B-OILR1

Item 10.2:

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: UPON REQUEST BY REGULATORY AGENCY

Condition 11: Compliance Demonstration

Effective between the dates of 04/16/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 227-1.3

Item 11.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: B-OILR1

Process: 003

Item 11.2:

Compliance Demonstration shall include the following monitoring:

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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 be retained at the facility for five (5) years after the date of the last entry.

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

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

**** NOTE **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the



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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.

Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 12: Performance testing timeline.

Effective between the dates of 04/16/2003 and Permit Expiration Date

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

Item 12.1:

This Condition applies to Emission Unit: B-OILR1

Process: 003

Item 12.2:

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 13: Prior notice.

Effective between the dates of 04/16/2003 and Permit Expiration Date

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

Item 13.1:

This Condition applies to Emission Unit: B-OILR1

Process: 003

Item 13.2:

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

Condition 14: Opacity standard compliance testing.

Effective between the dates of 04/16/2003 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.11, NSPS Subpart A

Item 14.1:

This Condition applies to Emission Unit: B-OILR1

Process: 003

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Item 14.2:

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

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

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 15: Compliance Demonstration

Effective between the dates of 04/16/2003 and Permit Expiration Date

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

Item 15.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: B-OILR1

Process: 003

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 15.2:

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: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.5 percent by weight

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.



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

Condition 16: Exemption from the averaging period.
Effective between the dates of 04/16/2003 and Permit Expiration Date

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

Item 16.1:

This Condition applies to Emission Unit: B-OILR1
Process: 003

Item 16.2:

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 23: Compliance Demonstration
Effective between the dates of 04/16/2003 and Permit Expiration Date

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

Item 23.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: B-OILR1
Process: 003

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

Item 23.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

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

Parameter Monitored: OPACITY



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Upper Permit Limit: 20.0 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 17: Alternative compliance methods for sulfur dioxide.
Effective between the dates of 04/16/2003 and Permit Expiration Date**

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

Item 17.1:

This Condition applies to Emission Unit: B-OILR1
Process: 003

Item 17.2:

Facilities demonstrating compliance through vendor certification shall follow the compliance procedures listed in paragraphs 40 CFR 60-Dc.48c(f)(1), (2), or (3), as applicable.

**Condition 18: Compliance Demonstration
Effective between the dates of 04/16/2003 and Permit Expiration Date**

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

Item 18.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: B-OILR1
Process: 003

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

Item 18.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
initial performance test required by 40CFR60.8

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



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**Condition 19: Exemption from sulfur dioxide monitoring requirements.
Effective between the dates of 04/16/2003 and Permit Expiration Date**

Applicable Federal Requirement: 40CFR 60.46c(e), NSPS Subpart Dc

Item 19.1:

This Condition applies to Emission Unit: B-OILR1
Process: 003

Item 19.2:

Facilities subject to paragraphs 40 CFR 60-Dc.42c(h)(1), (2), or (3) showing compliance through vendor certification shall be exempt from section 40 CFR 60-Dc.46c.

**Condition 20: Compliance Demonstration
Effective between the dates of 04/16/2003 and Permit Expiration Date**

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

Item 20.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: B-OILR1
Process: 003

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

Item 20.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: SEMI-ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

**Condition 21: Compliance Demonstration
Effective between the dates of 04/16/2003 and Permit Expiration Date**

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

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Item 21.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: B-OILR1
Process: 003

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

Item 21.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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 7/30/2003.

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

Condition 22: Compliance Demonstration

Effective between the dates of 04/16/2003 and Permit Expiration Date

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

Item 22.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: B-OILR1
Process: 003

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Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 22.2:

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 DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 24: Compliance Demonstration

Effective between the dates of 04/16/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 227-1.3

Item 24.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: B-OILRS

Process: 001

Item 24.2:

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

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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 be retained at the facility for five (5) years after the date of the last entry.

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

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

**** NOTE **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will

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last) and leave no dispersion trail downwind of the stack.

Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 25: Compliance Demonstration

Effective between the dates of 04/16/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 257-1.4

Item 25.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: B-OILRS

Process: 001

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 25.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

FOR THE EXISTING BOILERS, FUEL SULFUR CONTENT IS LIMITED TO 0.18% OR LESS ON A WEIGHT-PERCENT BASIS. FUEL SULFUR WILL BE DOCUMENTED PER DELIVERY USING FUEL SUPPLIER CERTIFICATIONS.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.18 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

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

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

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law.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.

Condition 26: Contaminant List

Effective between the dates of 04/16/2003 and Permit Expiration Date

Applicable State Requirement: ECL 19-0301

Item 26.1:

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

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Condition 27: Unavoidable noncompliance and violations

Effective between the dates of 04/16/2003 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-1.4

Item 27.1:

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



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identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

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

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

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

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

Condition 28: Emission Unit Definition

Effective between the dates of 04/16/2003 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 28.1(From Mod 1):

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

Emission Unit: E-INCIN

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF THE
RADIOLOGICAL WASTE INCINERATOR LOCATED IN
BLAW KNOW 1. THIS INCINERATOR IS REGULATED
UNDER 6 NYCRR PART 380 (NYSDEC PERMIT
NUMBER 43817-00007).

Building(s): BLAW KNOX

New York State Department of Environmental Conservation

Permit ID: 4-3817-00019/00017

Facility DEC ID: 4381700019



Item 28.2(From Mod 1):

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

Emission Unit: E-MRGEN

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF THE VARIOUS EMERGENCY POWER GENERATORS LOCATED THROUGHOUT THE RPI CAMPUS. THESE EMISSION SOURCES ARE CURRENTLY CLASSIFIED AS EXEMPT FROM PERMITTING, PROVIDED THEY ARE USED ONLY WHEN THE NORMAL SOURCE OF POWER IS NOT AVAILABLE AND FOR LESS THAN 500 HOURS PER YEAR. PERIODIC EXERCISING OF THE GENERATORS IS PERMISSIBLE WITHIN THIS TIME LIMIT. THIS EMISSION UNIT HAS BEEN ESTABLISHED TO FACILITATE THE ADDITION OF PENDING FUTURE APPLICABLE REQUIREMENTS THAT MAY AFFECT THESE EMISSION SOURCES (PROPOSED 6NYCRR PART 222-2).

Building(s): CAMPUS

Item 28.3(From Mod 0):

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

Emission Unit: B-OILR1

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF (1) 85.2 MMBTU/HR DUAL-FUEL BOILER (NG AND NO. 2 FO) TO BE LOCATED IN A NEW BUILDING NO. 0562 (BOILER HOUSE 2).

Building(s): BIRHOUSE2

Item 28.4(From Mod 0):

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

Emission Unit: B-OILRS

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF (2) 62.3 MMBTU/HR DUAL FUEL (NG AND NO. 2 FO) BOILERS AND (1) 31.4 MMBTU/HR NG-FIRED BOILER LOCATED IN BOILER HOUSE 1.

Building(s): BIRHOUSE1

Condition 30: Air pollution prohibited

Effective between the dates of 04/16/2003 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 211.2

New York State Department of Environmental Conservation

Permit ID: 4-3817-00019/00017

Facility DEC ID: 4381700019



Item 30.1:

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 31: Emission Point Definition By Emission Unit
Effective between the dates of 04/16/2003 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 31.1(From Mod 1):

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

Emission Unit: E-INCIN

Emission Point: 30008
Height (ft.): 37 Diameter (in.): 17
NYTMN (km.): 4731.5 NYTME (km.): 608.

Item 31.2(From Mod 1):

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

Emission Unit: E-MRGEN

Emission Point: 30001
Height (ft.): 15 Diameter (in.): 6
NYTMN (km.): 4731.5 NYTME (km.): 608.

Emission Point: 30002
Height (ft.): 19 Diameter (in.): 8
NYTMN (km.): 4731.5 NYTME (km.): 608.

Emission Point: 30003
Height (ft.): 38 Diameter (in.): 8
NYTMN (km.): 4731.5 NYTME (km.): 608.

Emission Point: 30004
Height (ft.): 8 Diameter (in.): 6
NYTMN (km.): 4731.5 NYTME (km.): 608.

New York State Department of Environmental Conservation

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Facility DEC ID: 4381700019



Emission Point: 30005
Height (ft.): 94 Diameter (in.): 14
NYTMN (km.): 4731.5 NYTME (km.): 608.

Emission Point: 30006
Height (ft.): 94 Diameter (in.): 14
NYTMN (km.): 4731.5 NYTME (km.): 608.

Emission Point: 30007
Height (ft.): 10 Diameter (in.): 8
NYTMN (km.): 4731.5 NYTME (km.): 608.

Item 31.3(From Mod 0):

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

Emission Unit: B-OILR1

Emission Point: 20001
Height (ft.): 125 Diameter (in.): 38
NYTMN (km.): 4731.734 NYTME (km.): 608.009 Building: BIRHOUSE2

Item 31.4(From Mod 0):

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

Emission Unit: B-OILRS

Emission Point: 00003
Height (ft.): 108 Length (in.): 66 Width (in.): 66
NYTMN (km.): 4731.555 NYTME (km.): 607.874 Building: BIRHOUSE1

Emission Point: 00004
Height (ft.): 108 Diameter (in.): 40
NYTMN (km.): 4731.555 NYTME (km.): 607.874 Building: BIRHOUSE1

Condition 32: Process Definition By Emission Unit

Effective between the dates of 04/16/2003 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 32.1(From Mod 1):

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

Emission Unit: E-INCIN
Process: RW1 Source Classification Code: 5-02-005-05
Process Description: INCINERATION OF RADIOACTIVE WASTE.

New York State Department of Environmental Conservation

Permit ID: 4-3817-00019/00017

Facility DEC ID: 4381700019



Emission Source/Control: INCN1 - Process

Item 32.2(From Mod 1):

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

Emission Unit: E-MRGEN

Process: EG1

Source Classification Code: 2-03-001-01

Process Description:

THIS PROCESS INCLUDES ALL EMERGENCY GENERATORS WITH A MAXIMUM ELECTRICAL OUTPUT OF GREATER THAN 300 KW INSTALLED PRIOR TO MAY 1, 2005 AND ALL EMERGENCY GENERATORS WITH A MAXIMUM ELECTRICAL OUTPUT OF GREATER THAN 50 KW INSTALLED ON OR AFTER MAY 1, 2005. THESE EMISSION SOURCES ARE CURRENTLY CLASSIFIED AS EXEMPT SOURCES, BUT WILL BE REGULATED BY PROPOSED PART 222-2.

Emission Source/Control: EGN01 - Combustion

Design Capacity: 315 kilowatts

Emission Source/Control: EGN02 - Combustion

Design Capacity: 400 kilowatts

Emission Source/Control: EGN03 - Combustion

Design Capacity: 800 kilowatts

Emission Source/Control: EGN04 - Combustion

Design Capacity: 320 kilowatts

Emission Source/Control: EGN05 - Combustion

Design Capacity: 1,252 kilowatts

Emission Source/Control: EGN06 - Combustion

Design Capacity: 1,252 kilowatts

Emission Source/Control: EGN07 - Combustion

Design Capacity: 550 kilowatts

Item 32.3(From Mod 1):

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

Emission Unit: E-MRGEN

Process: EG2

Source Classification Code: 2-03-001-01

Process Description:

THIS PROCESS INCLUDES ALL EMERGENCY GENERATORS WITH A MAXIMUM ELECTRICAL OUTPUT



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OF LESS THAN OR EQUAL TO 300 KW INSTALLED PRIOR TO MAY 1, 2005 AND ALL EMERGENCY GENERATORS WITH A MAXIMUM ELECTRICAL OUTPUT OF LESS THAN OR EQUAL TO 50 KW INSTALLED ON OR AFTER MAY 1, 2005. THESE EMISSION SOURCES ARE CURRENTLY CLASSIFIED AS EXEMPT SOURCES, AND WILL NOT BE REGULATED BY PROPOSED PART 222-2.

Emission Source/Control: OOOOO - Combustion

Item 32.4(From Mod 0):

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

Emission Unit: B-OILR1

Process: 003

Source Classification Code: 1-02-005-02

Process Description:

THIS PROCESS INVOLVES THE COMBUSTION OF NO. 2 FUEL OIL FOR STEAM PRODUCTION IN BOILER 4.

Emission Source/Control: B0004 - Combustion

Design Capacity: 85.2 British thermal units per hour

Item 32.5(From Mod 0):

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

Emission Unit: B-OILR1

Process: 004

Source Classification Code: 1-02-006-02

Process Description:

THIS PROCESS INVOLVES THE COMBUSTION OF NATURAL GAS FOR STEAM PRODUCTION IN BOILER 4.

Emission Source/Control: B0004 - Combustion

Design Capacity: 85.2 British thermal units per hour

Item 32.6(From Mod 0):

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

Emission Unit: B-OILRS

Process: 001

Source Classification Code: 1-02-005-02

Process Description:

THIS PROCESS INVOLVES THE COMBUSTION OF NO. 2 FUEL OIL FOR STEAM PRODUCTION IN BOILERS 1 AND/or 2.



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Facility DEC ID: 4381700019

Emission Source/Control: B0001 - Combustion
Design Capacity: 62.3 British thermal units per hour

Emission Source/Control: B0002 - Combustion
Design Capacity: 62.3 British thermal units per hour

Item 32.7(From Mod 0):

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

Emission Unit: B-OILRS

Process: 002

Source Classification Code: 1-02-006-02

Process Description:

THIS PROCESS INVOLVES THE COMBUSTION OF
NATURAL GAS FOR STEAM PRODUCTION IN BOILERS
1,2 AND/or 3.

Emission Source/Control: B0001 - Combustion
Design Capacity: 62.3 British thermal units per hour

Emission Source/Control: B0002 - Combustion
Design Capacity: 62.3 British thermal units per hour

Emission Source/Control: B0003 - Combustion
Design Capacity: 31.4 million Btu per hour