

New York State Department of Environmental Conservation
Facility DEC ID: 2620400118



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6204-00118/00005
Effective Date: 03/11/2005 Expiration Date: 03/10/2010

Permit Issued To: ROCKEFELLER UNIVERSITY
1230 YORK AVE
NEW YORK, NY 10021-6307

Contact: BRENDAN F BOLGER
THE ROCKEFELLER UNIVERSITY
1230 YORK AVENUE
NEW YORK, NY 10021-6399

Facility: ROCKEFELLER UNIVERSITY
1230 YORK AVENUE
NEW YORK, NY 10021

Contact: BRENDAN F BOLGER
THE ROCKEFELLER UNIVERSITY
1230 YORK AVENUE
NEW YORK, NY 10021-6399

Description:

The Rockefeller University
1230 York Avenue, New York, NY 10021
(DEC ID # 2-6204-00118/00005)

The Rockefeller University (Rockefeller) is located at 1230 York Avenue, New York, NY 10021. The Rockefeller campus is spread over 15 acres of area adjacent to the East River on the upper east side of New York City. This is a health related educational and research Institute. The campus consists of 20 buildings, including eight research buildings, and residence buildings for students, faculty and other staff. It consists of 74 research laboratories. The primary Standard Industrial Classification (SIC) code is 8221 - "Educational Services - Colleges, Universities, and Professional Schools".

Rockefeller operates four (4) boilers, one absorption chiller, and a pathogen destructor on campus. Boilers are located in the Power House, that generates steam for the buildings in the campus area. All four boilers vent to a single stack adjacent to the Power House. Boiler # 1 with a maximum heat input rating of 36.6 MMBtu/hr operates on fuel oil # 6. Boilers # 2 & 3, with maximum heat input ratings of 29.95 MMBtu/hr each, operate on fuel oil # 6 or natural gas. Boiler 4, with a maximum heat input rating of 19.4 MMBtu/hr, operating on fuel oil # 6, is to be replaced with two new dual fuel boilers, Boilers # 5 and 6, which would have a maximum heat input rating of 29.95 MMBtu/hr each, and would operate on fuel oil # 6 or natural gas.



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The 900-ton absorption chiller is powered by a 10.7 MMBtu/hr Trane absorber that fires natural gas as the primary fuel and oil # 2 fuel as backup. The LARC pathogen destructor is a natural gas-fired unit with a maximum charging rate of 300 lbs/hr. This was installed in 1974 and is equipped with a water packed column scrubber and an opacity meter. This is subject to the regulations for the Existing Incinerators under 6 NYCRR Part 219-6.

Rockefeller has applied for a new Title V air permit to include all the existing permitted sources and the two new boilers under one Title V permit. The facility is subject to and must comply with New Source Review (NSR) and the federal New Source Performance Standards (NSPS) under 40 CFR 60, Subpart Dc. The facility has submitted New Source Review work-sheets and will accept a cap on the total emissions of NOx (Oxides of Nitrogen) at 245 tons per year from the facility, to stay out of requirements of 6 NYCRR Part 231-2. With the new addition of boilers, the MAP (Maximum Annual Potential) for NOx will not increase and the total MAP for the facility will be capped at 245 tons per year. A federally enforceable condition has been included in this permit, which requires the facility to demonstrate compliance with this cap on 12-month rolling basis. In addition, the facility has accepted the following emission caps:

1. Cap on total VOC and HAP emissions at 22.5 tons per year from the facility.
2. Cap on hydrogen fluoride emissions at 700 lbs per year from the facility.
3. Cap on chloroform emissions at 1,200 lbs per year from the facility.
4. Cap on formaldehyde and dimethyl sulfide emissions at 1,800 lbs per year from the facility.
5. Cap on benzene emissions at 3,000 lbs per year from the facility.
6. Cap on all other VOC and HAP emissions at 18,000 lbs per year from the laboratory hoods.

The facility will demonstrate compliance by estimating emissions on monthly basis during any 12-month rolling period. The facility is subject to the general provisions, notifications, record keeping, performance tests, compliance and monitoring requirements of all the regulations listed in this permit. The facility shall retain records and summaries for at least five years and, upon the request of the NYSDEC, shall submit these records and summaries.

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: JOHN F CRYAN
 DIVISION OF ENVIRONMENTAL PERMITS
 ONE HUNTERS POINT PLAZA, 47-40 21ST STREET
 LONG ISLAND CITY, NY 11101-5407

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 2

HEADQUARTERS



DEC GENERAL CONDITIONS

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

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

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

Item 2.1:

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

Condition 3: Applications for Permit Renewals 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:

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

Condition 4: 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 2 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 2 Headquarters
Division of Environmental Permits
1 Hunters Point Plaza, 4740 21st Street
Long Island City, NY 11101-5407
(718) 482-4997



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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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NEW YORK, NY 10021-6307

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1230 YORK AVENUE
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Authorized Activity By Standard Industrial Classification Code:
6512 - NONRESIDENTIAL BUILDING OPERATORS



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6NYCRR 201-6: Emission Unit Definition
- 2 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 3 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 4 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 5 6NYCRR 201-6.5(e): Compliance Certification
- 6 6NYCRR 202-2.1: Compliance Certification
- 7 6NYCRR 202-2.5: Recordkeeping requirements
- 8 6NYCRR 212: Compliance Certification
- 9 6NYCRR 212: Compliance Certification
- 10 6NYCRR 212: Compliance Certification
- 11 6NYCRR 212: Compliance Certification
- 12 6NYCRR 212: Compliance Certification
- 13 6NYCRR 212: Compliance Certification
- 14 6NYCRR 212: Compliance Certification
- 15 6NYCRR 212: Compliance Certification
- 16 6NYCRR 212: Compliance Certification
- 18 6NYCRR 225-1.2(a)(2): Compliance Certification
- 17 6NYCRR 225-1.2(a)(2): Compliance Certification
- 19 6NYCRR 225-1.8: Compliance Certification
- 20 6NYCRR 225.1(a)(3): Compliance Certification
- 21 6NYCRR 225.1(a)(3): Compliance Certification
- 22 6NYCRR 225.7(a): Compliance Certification
- 23 6NYCRR 227-1.3(a): Compliance Certification
- 24 6NYCRR 231-2.2: Compliance Certification
- 25 40CFR 60.7(a), NSPS Subpart A: Date of construction notification - If a COM is not used.
- 26 40CFR 68: Accidental release provisions.
- 27 40CFR 82, Subpart F: Recycling and Emissions Reduction

Emission Unit Level

- 28 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 29 6NYCRR 201-6: Process Definition By Emission Unit

EU=0-43010

- 30 6NYCRR 227-1.3(a): Compliance Certification
- 31 6NYCRR 227.2(b)(1): Compliance Certification
- 32 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
- 33 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source
- 34 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period.
- 35 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability.

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- 36 40CFR 60.44c(h), NSPS Subpart Dc: Alternative compliance methods for sulfur dioxide.
- 37 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Certification
- 38 40CFR 60.48c(d), NSPS Subpart Dc: Compliance Certification
- 39 40CFR 60.48c(f)(1), NSPS Subpart Dc: Compliance Certification
- 40 40CFR 60.48c(f)(2), NSPS Subpart Dc: Compliance Certification

EU=0-43010,EP=S4301

- 41 6NYCRR 227-2.4(d): Compliance Certification

EU=0-R0001

- 42 6NYCRR 219-6.2: Particulate matter limitations.
- 43 6NYCRR 219-6.2(a): Compliance Certification
- 44 6NYCRR 219-6.3: Opacity limitations.
- 45 6NYCRR 219-6.4(b): Compliance Certification
- 46 6NYCRR 219-6.4(c): Compliance Certification
- 47 6NYCRR 219-6.5: Incinerator model requirements - incinerators with capacities of 2,000 lbs/hr or less
- 48 6NYCRR 227-1.3(a): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 49 ECL 19-0301: Contaminant List
- 50 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 51 6NYCRR 211.2: Air pollution prohibited

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Permit Expiration Date: 03/10/2010



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: 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

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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.

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



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Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

Item 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: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 201-1.10(b)

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item I: 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



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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: 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 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 K: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(a)(4)

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Item L: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item M: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit

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renewal application.

Item N: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item O: Providing Information Upon Request - 6 NYCRR Part 201-6.5(a)(4)

The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The permittee shall also, on request, furnish the Department with copies of records required to be kept by the permit. Where information is claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

Item P: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR Part 201-6.5(a)(5)

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item Q: Property Rights - 6 NYCRR Part 201-6.5(a)(6)

This permit does not convey any property rights of any sort or any exclusive privilege.

Item R: Fees - 6 NYCRR Part 201-6.5(a)(7)

The owner and/or operator of a stationary source shall pay fees to the department consistent with the fee schedule authorized by 6 NYCRR Subpart 482-2.

Item S: Right to Inspect - 6 NYCRR Part 201-6.5(a)(8)

Upon presentation of credentials and other documents, as



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may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:

- i. Enter upon the permittee's premises where the permitted facility is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- iii. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
- iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Item T: Severability - 6 NYCRR Part 201-6.5(a)(9)

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item U: Progress Reports and Compliance Schedules - 6 NYCRR Part 201-6.5(d)(5)

Progress reports consistent with an applicable schedule of compliance must be submitted at least semiannually on a calendar year basis, or at a more frequent period if specified in the applicable requirement or by the Department elsewhere in this permit. These reports shall be submitted to the Department within 30 days after the end of a reporting period. Such progress reports shall contain the following:

- i. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
- ii. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive

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or corrective measures adopted.

Item V: Off Permit Changes - 6 NYCRR Part 201-6.5(f)(6)

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the Administrator and the Department with written notification in advance of the proposed changes within a minimum of 7 days as required by 6 NYCRR §201-6.5(f)(6).

Item W: Permit Shield - 6 NYCRR Part 201-6.5(g)

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or

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contributing to such pollution;

ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;

iii. The applicable requirements of Title IV of the Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item X: Reopening for Cause - 6 NYCRR Part 201-6.5(i)

This Title V permit shall be reopened and revised under any of the following circumstances:

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits



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shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item Y: 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 Z: 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 AA: 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 BB: Permit Exclusion - ECL 19-0305

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



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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 CC: 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 subject to annual compliance certification requirements for Title V permits only.

**Condition 1: Emission Unit Definition
Effective between the dates of 03/11/2005 and 03/10/2010**

Applicable Federal Requirement: 6NYCRR 201-6

Item 1.1:

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

Emission Unit: 0-43010

Emission Unit Description:

POWER HOUSE STEAM PRODUCTION AND CHILLING OPERATIONS. EMISSION UNIT CONSISTS OF THE FOUR (4) EXISTING BOILERS, THE TWO (2) NEW BOILERS, AND THE ONE (1) ABSORBER. ONE BOILER (# 4) WILL BE REPLACED WITH TWO NEW BOILERS (# 5 AND # 6), SO EVENTUALLY THERE WILL BE 5 BOILERS (# 1, 2, 3, 5, & 6). ALL UNITS ARE LOCATED WITHIN THE POWER HOUSE (SOMETIMES REFERRED TO AS THE BOILER HOUSE), AND ARE VENTED TO THE MAIN 311-FOOT STACK.

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Building(s): 1268

Item 1.2:

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

Emission Unit: 0-R0001

Emission Unit Description:

LABORATORY ANIMAL RESEARCH CENTER PATHOGEN DESTRUCTION PROCESS. UNIT INSTALLED AND OPERATING SINCE 1975 WITH A WATER-PACKED COLUMN SCRUBBER CONTROLLING EMISSIONS. PATHOGEN DESTRUCTOR IS RATED WITH A MAXIMUM CHARGE RATE OF 300 LB/HR AND IS USED TO DESTROY NONINFECTIOUS LABORATORY ANIMALS (TYPE 4 REFUSE).

Building(s): 1182

**Condition 2: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 03/11/2005 and 03/10/2010**

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

Item 2.1:

The following information must be included in any required compliance monitoring records and reports:

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii) The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

**Condition 3: Monitoring, Related Recordkeeping, and Reporting
Requirements.
Effective between the dates of 03/11/2005 and 03/10/2010**

Applicable Federal Requirement: 6NYCRR 201-6.5(c)(2)



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Item 3.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 4: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 201-6.5(c)(3)(ii)

Item 4.1:

The Compliance Certification activity will be performed for the Facility.

Item 4.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

(1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for

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more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. 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. Notwithstanding any recordkeeping and reporting

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requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 5: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

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

Item 5.1:
The Compliance Certification activity will be performed for the Facility.

Item 5.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.
- iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative

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for the Administrator, at the following address:

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101-5407

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2005.
Subsequent reports are due on the same day each year

Condition 6: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April
15th each year for emissions of the previous calendar
year.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year



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Condition 7: Recordkeeping requirements
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 7.1:

(a) The following records shall be maintained for at least five years:

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 8: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 212

Item 8.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 000071-43-2 BENZENE

Item 8.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ROCKEFELLER WILL ACCEPT A CAP ON TOTAL EMISSIONS OF BENZENE AT 3,000 POUNDS PER YEAR FROM THE FACILITY. ROCKEFELLER WILL DEMONSTRATE COMPLIANCE BY ESTIMATION OF EACH CONCERNED CHEMICAL ON A MONTHLY BASIS.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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



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Condition 9: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 212

Item 9.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 9.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ROCKEFELLER WILL ACCEPT A CAP ON TOTAL EMISSIONS OF HAP AT 22.5 TONS PER YEAR FROM THE FACILITY. ROCKEFELLER WILL DEMONSTRATE COMPLIANCE BY ESTIMATION OF EACH CONCERNED CHEMICAL ON A MONTHLY BASIS.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 10: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 212

Item 10.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 000075-18-3 DIMETHYL SULFIDE

Item 10.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



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ROCKEFELLER WILL ACCEPT A CAP ON TOTAL EMISSIONS OF DIMETHYL SULFIDE AT 1,800 POUNDS PER YEAR FROM THE FACILITY. ROCKEFELLER WILL DEMONSTRATE COMPLIANCE BY ESTIMATION OF EACH CONCERNED CHEMICAL ON A MONTHLY BASIS.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 11: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 212

Item 11.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 11.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ROCKEFELLER WILL ACCEPT A CAP ON TOTAL EMISSIONS OF VOC AT 18,000 POUNDS PER YEAR FROM THE LABORATORY HOODS.

ROCKEFELLER WILL DEMONSTRATE COMPLIANCE BY ESTIMATION OF EACH CONCERNED CHEMICAL ON A MONTHLY BASIS.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 12: Compliance Certification



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Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 212

Item 12.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000050-00-0 FORMALDEHYDE

Item 12.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ROCKEFELLER WILL ACCEPT A CAP ON TOTAL EMISSIONS OF FORMALDEHYDE AT 1,800 POUNDS PER YEAR FROM THE FACILITY. ROCKEFELLER WILL DEMONSTRATE COMPLIANCE BY ESTIMATION OF EACH CONCERNED CHEMICAL ON A MONTHLY BASIS.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 13: Compliance Certification

Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 212

Item 13.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 13.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ROCKEFELLER WILL ACCEPT A CAP ON TOTAL

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EMISSIONS OF HYDROGEN FLUORIDE AT 700
POUNDS PER YEAR FROM THE FACILITY.
ROCKEFELLER WILL DEMONSTRATE COMPLIANCE
BY ESTIMATION OF EACH CONCERNED CHEMICAL
ON A MONTHLY BASIS.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 14: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 212

Item 14.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 14.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ROCKEFELLER WILL ACCEPT A CAP ON TOTAL
EMISSIONS OF HAP AT 18,000 POUNDS PER
YEAR FROM THE LABORATORY HOODS.

ROCKEFELLER WILL DEMONSTRATE COMPLIANCE
BY ESTIMATION OF EACH CONCERNED CHEMICAL
ON A MONTHLY BASIS.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 15: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

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Applicable Federal Requirement: 6NYCRR 212

Item 15.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 15.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ROCKEFELLER WILL ACCEPT A CAP ON TOTAL EMISSIONS OF VOC AT 22.5 TONS PER YEAR FROM THE FACILITY. ROCKEFELLER WILL DEMONSTRATE COMPLIANCE BY ESTIMATION OF EACH CONCERNED CHEMICAL ON A MONTHLY BASIS.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 16: Compliance Certification

Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 212

Item 16.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000067-66-3 CHLOROFORM

Item 16.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ROCKEFELLER WILL ACCEPT A CAP ON TOTAL EMISSIONS OF CHLOROFORM AT 1,200 POUNDS



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PER YEAR FROM THE FACILITY. ROCKEFELLER
WILL DEMONSTRATE COMPLIANCE BY ESTIMATION
OF EACH CONCERNED CHEMICAL ON A MONTHLY
BASIS.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 18: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

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

Item 18.1:

The Compliance Certification activity will be performed for the Facility.

Item 18.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.20 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 4/30/2005.

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

Condition 17: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

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

Item 17.1:

The Compliance Certification activity will be performed for the Facility.

Item 17.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.30 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 4/30/2005.

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

Condition 19: Compliance Certification

Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 225-1.8

Item 19.1:

The Compliance Certification activity will be performed for the Facility.

Item 19.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An owner or operator of a facility which purchases and fires coal and/or fuel oil shall compile and retain records of the following information:

a. fuel analyses and data on the quantities of all

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residual and distillate oil and coal received, burned or sold;

b. the names of all purchasers of all residual and distillate oil and coal sold;

c. any results of stack sampling, stack monitoring and other procedures used to ensure compliance with the provisions of 6 NYCRR Part 225-1.

Fuel analyses must contain, as a minimum, data on the sulfur content, specific gravity and heating value of any residual oil, distillate oil or coal received, burned or sold. Ash content shall also be included in the fuel analyses for any residual oil or coal received, burned or sold.

These records shall be retained for a minimum period of three years. If the facility is subject to Title V requirements the minimum record retention period shall be five years. The records shall be made available for inspection by department staff during normal business hours. In addition, copies of such records shall be furnished to department staff upon request. All required sampling, compositing and analysis of fuel samples must be done in accordance with methods acceptable to the department.

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 4/30/2005.

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

Condition 20: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 225.1(a)(3)

Item 20.1:

The Compliance Certification activity will be performed for the Facility.

Item 20.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall sell, offer for sale, purchase or use any



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distillate oil which has sulfur content greater than 0.20 percent by weight. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.20 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 4/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 21: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 225.1(a)(3)

Item 21.1:

The Compliance Certification activity will be performed for the Facility.

Item 21.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall sell, offer for sale, purchase or use any residual oil which has sulfur content greater than 0.30 percent by weight. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: NUMBER 6 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.30 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 4/30/2005.



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

Condition 22: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 225.7(a)

Item 22.1:

The Compliance Certification activity will be performed for the Facility.

Item 22.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall retain fuel oil supplier certifications for each shipment of oil received. Such certifications shall contain, as a minimum, supplier name, date of shipment, quantity shipped, heating value of the oil, oil sulfur content, and the method used to determine the sulfur content. Such certifications shall be available for inspection by, or submitted to, the NYSDEC as per the stated reporting requirement.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 23: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

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

Item 23.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 23.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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No owner or operator of a combustion installation shall emit greater than 20 percent opacity (on a six minute block period) except for one six minute block 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.

Operators of air contamination sources that 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(s) or vent(s) 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:
 - weather condition
 - was a plume observed?

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, then the 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.

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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.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA 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 10/30/2005.
Subsequent reports are due every 12 calendar month(s).

Condition 24: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 231-2.2

Item 24.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE FACILITY WILL CAP EMISSIONS OF NO_x
AT 245 TONS PER YEAR TO CAP OUT OF 231-2.
FACILITY WILL DEMONSTRATE COMPLIANCE
THROUGH MONITORING OF FUEL CONSUMPTION
WITH FUEL METERS, WHICH WILL BE
CALIBRATED ANNUALLY.

TO ENSURE COMPLIANCE WITH THIS UPPER
LIMIT OF TOTAL NO_x EMISSIONS FROM THE
FACILITY, FUEL CONSUMPTION FOR ALL THE
SOURCES INCLUDING BUT NOT LIMITED TO
PATHOGEN DESTRUCTOR AND EMERGENCY
GENERATORS, WILL BE DETERMINED ON DAILY
BASIS. FACILITY WILL USE AP-42 FACTORS
AS EMISSION FACTORS FOR CALCULATING THE
EMISSIONS FROM DIFFERENT FUELS AND

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DIFFERENT SOURCES AND CERTIFY COMPLIANCE
ON ANNUAL MAXIMUM ROLLED ON MONTHLY BASIS
IN QUARTERLY REPORTS. ALL CALCULATIONS
AND RECORDS WILL BE MAINTAINED FOR FIVE
YEARS AND WILL BE SUBMITTED TO NYSDEC
UPON REQUEST.

Monitoring Frequency: DAILY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2005.
Subsequent reports are due every 3 calendar month(s).

**Condition 25: Date of construction notification - If a COM is not used.
Effective between the dates of 03/11/2005 and 03/10/2010**

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

Item 25.1:

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;
- 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.

**Condition 26: Accidental release provisions.
Effective between the dates of 03/11/2005 and 03/10/2010**

Applicable Federal Requirement: 40CFR 68



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Item 26.1:

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
 - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
 - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

Risk Management Plan Reporting Center
C/O CSC
8400 Corporate Dr
Carrollton, Md. 20785

Condition 27: Recycling and Emissions Reduction
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 27.1:

The permittee shall comply with all applicable provisions of 40 CFR Part 82.

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

Condition 28: Emission Point Definition By Emission Unit
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 201-6

Item 28.1:

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

Emission Unit: 0-43010

Emission Point: S4301

Height (ft.): 311

Diameter (in.): 72

NYTMN (km.): 4512.816 NYTME (km.): 588.039 Building: 1268

Item 28.2:



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

Emission Unit: 0-R0001

Emission Point: SR001

Height (ft.): 94

Diameter (in.): 30

NYTMN (km.): 4512.835 NYTME (km.): 588.134 Building: 1182

**Condition 29: Process Definition By Emission Unit
Effective between the dates of 03/11/2005 and 03/10/2010**

Applicable Federal Requirement: 6NYCRR 201-6

Item 29.1:

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

Emission Unit: 0-43010

Process: 01A

Source Classification Code: 1-03-004-01

Process Description:

FOUR (4) EXISTING BOILERS #43011, 43012,
43013, AND 43014 FIRING # 6 FUEL OIL.

Emission Source/Control: 43011 - Combustion

Design Capacity: 36.6 million Btu per hour

Emission Source/Control: 43012 - Combustion

Design Capacity: 29.95 million Btu per hour

Emission Source/Control: 43013 - Combustion

Design Capacity: 29.95 million Btu per hour

Emission Source/Control: 43014 - Combustion

Design Capacity: 19.4 million Btu per hour

Item 29.2:

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

Emission Unit: 0-43010

Process: 02A

Source Classification Code: 1-03-006-02

Process Description:

TWO (2) EXISTING BOILERS AND THE EXISTING
ABSORBER #43012, 43013, AND 43017 FIRING
NATURAL GAS.

Emission Source/Control: 43012 - Combustion

Design Capacity: 29.95 million Btu per hour



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Emission Source/Control: 43013 - Combustion
Design Capacity: 29.95 million Btu per hour

Emission Source/Control: 43017 - Combustion
Design Capacity: 10.7 million Btu per hour

Item 29.3:

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

Emission Unit: 0-43010
Process: 04A
Source Classification Code: 1-03-004-01
Process Description:
THE TWO (2) NEW 29.95 BOILERS FIRING # 6
FUEL OIL WITH A MAXIMUM SULFUR CONTENT OF
0.30%.

Emission Source/Control: 43015 - Combustion
Design Capacity: 29.95 million Btu per hour

Emission Source/Control: 43016 - Combustion
Design Capacity: 29.95 million Btu per hour

Item 29.4:

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

Emission Unit: 0-43010
Process: 05A
Source Classification Code: 1-03-006-02
Process Description: THE TWO (2) NEW 29.95 BOILERS FIRING NATURAL GAS.

Emission Source/Control: 43015 - Combustion
Design Capacity: 29.95 million Btu per hour

Emission Source/Control: 43016 - Combustion
Design Capacity: 29.95 million Btu per hour

Item 29.5:

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

Emission Unit: 0-43010
Process: 06A
Source Classification Code: 2-03-002-01
Process Description:
THE EXISTING ABSORBER #43017 FIRING #2
FUEL OIL AS THE BACKUP FUEL.

Emission Source/Control: 43017 - Combustion
Design Capacity: 10.7 million Btu per hour

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Item 29.6:

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

Emission Unit: 0-R0001

Process: 07A

Source Classification Code: 5-02-001-01

Process Description:

THE EXISTING NATURAL GAS-FIRED PATHOGEN
DESTRUCTOR #R0001.

Emission Source/Control: R0001 - Incinerator

Design Capacity: 300 pounds per hour

Waste Feed Method: MANUAL DIRECT FEED

Waste Type: CREMATORY WASTE (INCLUDING HUMAN
AND/OR ANIMAL BODY PARTS AND
ASSOCIATED ANIMAL BEDDING) ONLY

Condition 30: Compliance Certification

Effective between the dates of 03/11/2005 and 03/10/2010

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

Item 30.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-43010

Item 30.2:

Compliance Certification 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 operate the installation in such a way to 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

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 10/30/2005.



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

Condition 31: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 227.2(b)(1)

Item 31.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-43010

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for stationary combustion installation firing oil. The owner or operator shall complete the following once per term of this permit:

- 1) Submit to the Department an acceptable protocol for the testing of particulate emission limit cited in this condition.
- 2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.
- 3) All records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 32: Excess Emissions Report

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Effective between the dates of 03/11/2005 and 03/10/2010

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

Item 32.1:

This Condition applies to Emission Unit: 0-43010

Item 32.2:

A summary report form, for each pollutant monitored, shall be sent to the Administrator in the form prescribed in Figure 1 of 40 CFR Part 60.7(d).

**Condition 33: Applicability of this Subpart to this emission source
Effective between the dates of 03/11/2005 and 03/10/2010**

Applicable Federal Requirement: 40CFR 60.40c, NSPS Subpart Dc

Item 33.1:

This Condition applies to Emission Unit: 0-43010

Item 33.2:

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

**Condition 34: Exemption from the averaging period.
Effective between the dates of 03/11/2005 and 03/10/2010**

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

Item 34.1:

This Condition applies to Emission Unit: 0-43010

Item 34.2:

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 35: Enforceability.
Effective between the dates of 03/11/2005 and 03/10/2010**

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

Item 35.1:

This Condition applies to Emission Unit: 0-43010

Item 35.2:

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

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**Condition 36: Alternative compliance methods for sulfur dioxide.
Effective between the dates of 03/11/2005 and 03/10/2010**

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

Item 36.1:

This Condition applies to Emission Unit: 0-43010

Item 36.2:

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 37: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010**

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

Item 37.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-43010

Item 37.2:

Compliance Certification 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.

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Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 38: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

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

Item 38.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-43010

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 38.2:

Compliance Certification 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: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 39: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

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

Item 39.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-43010

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 39.2:

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Compliance Certification 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 4/30/2005.

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

Condition 40: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 40CFR 60.48c(f)(2), NSPS Subpart Dc

Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-43010

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of the affected facility shall maintain records containing the following data:

- i) name of the residual oil supplier;
- ii) the location of the oil when the sample was drawn for analysis of the sulfur content of the oil, specifically including whether the oil was sampled as delivered to the



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affected facility, or whether the sample was drawn from oil storage at the oil supplier's or oil refiner's facility, or other location;

iii) the sulfur content of the oil from which the shipment came (or of the shipment itself); and

iv) the method used to determine the sulfur content of the oil.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 41: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 227-2.4(d)

Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-43010 Emission Point: S4301

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually. The owner or operator of a small boiler shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) The name, title, and affiliation of the person who adjusted the equipment.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2005.

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

Condition 42: Particulate matter limitations.
Effective between the dates of 03/11/2005 and 03/10/2010



Applicable Federal Requirement: 6NYCRR 219-6.2

Item 42.1:

This Condition applies to Emission Unit: 0-R0001

Item 42.2:

(a) Particulate emissions from the incinerator may not exceed the permissible particulate emission shown on figure 1 of 6NYCRR Part 219-6.2.

Condition 43: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 219-6.2(a)

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-R0001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will construct, install, use or cause to be used any incinerator whose particulate emissions exceed the permissible particulate emission shown on figure 1 of 6 NYCRR Part 219-6.2. At full load or a maximum charge rate of 300 lbs/hr, the particulate emissions must not exceed 0.6 lbs/hr. Any exceedance will be considered as a violation of this regulation.

The facility shall perform the following at various charge rates once per permit term for future compliance reference:

1) Submit to the Department an acceptable protocol for the testing of particulate emissions in a manner that will determine compliance with the limit cited in this condition.

2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.

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3) Submit an acceptable stack test report that outlines the results obtained from the testing done to meet the requirement of #2 above.

4) Facility shall keep records of all testing done at this stationary combustion installation for a period of 5 years.

5) Facility will retain records of charge rate for each batch incinerated for 5 years and submit these records to NYSDEC upon request.

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 4/30/2005.

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

Condition 44: Opacity limitations.

Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 219-6.3

Item 44.1:

This Condition applies to Emission Unit: 0-R0001

Item 44.2:

The incinerator may not emit smoke having an average opacity during any six consecutive minutes equal to or greater than 20 percent, except for one six-minute period during which the average opacity must not exceed 40 percent.

Condition 45: Compliance Certification

Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 219-6.4(b)

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-R0001



Item 45.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall construct, install, use or caused to be used any batch fed incinerator unless the gas temperature at the furnace outlet is designed to be automatically maintained and is automatically maintained at not less than 1,400°F during 90 percent of the burning period.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1400 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2005.

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

Condition 46: Compliance Certification
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 219-6.4(c)

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-R0001

Item 46.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Incinerators with a capacity of 2,000 lbs/hr or less of refuse charged shall be equipped with a sensing device indicating the gas temperature at the furnace outlet. Incinerators with a capacity of greater than 200 lbs/hr of refuse charged shall be equipped with a sensing device and recorder to measure and record the temperature at the furnace outlet.



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Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1400 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 47: Incinerator model requirements - incinerators with capacities of 2,000 lbs/hr or less Effective between the dates of 03/11/2005 and 03/10/2010

Applicable Federal Requirement: 6NYCRR 219-6.5

Item 47.1:

This Condition applies to Emission Unit: 0-R0001

Item 47.2:

In lieu of requiring an emission test and submittal of an acceptable emission test report, the commissioner may accept emission test reports of representative models which are geometrically similar to the incinerator and which demonstrate compliance with all sections of 6NYCRR Part 219-6. Testing of representative models must be conducted in accordance with procedures established by the commissioner.

Condition 48: Compliance Certification Effective between the dates of 03/11/2005 and 03/10/2010

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

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-R0001

Item 48.2:

Compliance Certification 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 operate the installation in such a way to 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

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40 CFR 60.

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 10/30/2005.
Subsequent reports are due every 12 calendar month(s).



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 49: Contaminant List
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable State Requirement: ECL 19-0301

Item 49.1:

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

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

CAS No: 000071-43-2

Name: BENZENE

CAS No: 000067-66-3

Name: CHLOROFORM

CAS No: 000075-18-3

Name: DIMETHYL SULFIDE

CAS No: 000050-00-0

Name: FORMALDEHYDE

CAS No: 0NY100-00-0

Name: HAP

CAS No: 007664-39-3

Name: HYDROGEN FLUORIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 0NY998-00-0

Name: VOC

Condition 50: Unavoidable noncompliance and violations
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable State Requirement: 6NYCRR 201-1.4

Item 50.1:

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



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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 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 51: Air pollution prohibited
Effective between the dates of 03/11/2005 and 03/10/2010

Applicable State Requirement: 6NYCRR 211.2

Item 51.1:

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.