



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6204-00118/00005
Effective Date: 02/27/2012 Expiration Date: 02/26/2017

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 AVE
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 five (5) boilers, and one absorption chiller on campus. Boilers are located in the Power House that generates steam for the buildings in the campus area. All five 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 residual fuel oil (#4 or # 6). Boilers # 2, # 3, #5 & # 6) with



maximum heat input ratings of 29.95 MMBtu/hr each, operate on residual fuel oil (#4 or # 6) or natural gas.

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 laboratory animal research center pathogen destructor ceased operation on or about July 31, 2010.

Rockefeller 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 has accepted a cap on the total emissions of NO_x (Oxides of Nitrogen) at 245 tons per year from the facility, to stay out of requirements of 6 NYCRR Part 231-2. The MAP (Maximum Annual Potential) for NO_x for the facility is 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.



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 compliance 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 any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

- Facility Inspection by the Department
- Relationship of this Permit to Other Department Orders and Determinations
 - Applications for permit renewals, modifications and transfers
 - Permit modifications, suspensions or revocations by the Department
 - Permit modifications, suspensions or revocations by the Department

Facility Level

- Submission of application 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, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:

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 or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:

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

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

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

Item 5.1:

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

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

**** Facility Level ****

Condition 6: Submission of application for permit modification or renewal - REGION 2 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 6.1:

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





Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

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

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

Authorized Activity By Standard Industrial Classification Code:
6512 - NONRESIDENTIAL BUILDING OPERATORS
8221 - COLLEGES AND UNIVERSITIES, NEC

Permit Effective Date: 02/27/2012

Permit Expiration Date: 02/26/2017



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.5 (a) (7): Fees
- 3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
- 4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.5 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
- 16 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
- 17 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
- 18 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
- 19 6 NYCRR 202-1.1: Required Emissions Tests
- 20 40 CFR Part 68: Accidental release provisions.
- 21 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 22 6 NYCRR Subpart 201-6: Emission Unit Definition
- 23 6 NYCRR 211.1: Air pollution prohibited
- 24 6 NYCRR Part 212: Compliance Certification
- 25 6 NYCRR Part 212: Compliance Certification
- 26 6 NYCRR Part 212: Compliance Certification
- 27 6 NYCRR Part 212: Compliance Certification
- 28 6 NYCRR Part 212: Compliance Certification
- 29 6 NYCRR Part 212: Compliance Certification
- 30 6 NYCRR Part 212: Compliance Certification
- 31 6 NYCRR Part 212: Compliance Certification
- 32 6 NYCRR Part 212: Compliance Certification
- 33 6 NYCRR 225-1.2 (a) (2): Compliance Certification
- 34 6 NYCRR 225-1.2 (a) (2): Compliance Certification
- 35 6 NYCRR 225-1.8: Compliance Certification
- 36 6 NYCRR 225.1 (a) (3): Compliance Certification
- 37 6 NYCRR 225.1 (a) (3): Compliance Certification
- 38 6 NYCRR 225.7 (a): Compliance Certification
- 39 6 NYCRR 227-1.3 (a): Compliance Certification
- 40 6 NYCRR 231-2.2: Compliance Certification
- 41 40CFR 63.11196(a)(1), Subpart JJJJJ: Compliance date for management practices
- 42 40CFR 63.11201(b), Subpart JJJJJ: Compliance Certification



- 43 40CFR 63.11205(a), Subpart JJJJJ: Good air pollution control practices
- 44 40CFR 63.11225(a), Subpart JJJJJ: Notifications

Emission Unit Level

- 45 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 46 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=0-43010

- 47 6 NYCRR 227-1.3 (a): Compliance Certification
- 48 6 NYCRR 227.2 (b) (1): Compliance Certification
- 49 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
- 50 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source
- 51 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period.
- 52 40CFR 60.44c(h), NSPS Subpart Dc: Alternative compliance methods for sulfur dioxide.
- 53 40CFR 60.48c(d), NSPS Subpart Dc: Compliance Certification
- 54 40CFR 60.48c(f)(1), NSPS Subpart Dc: Compliance Certification
- 55 40CFR 60.48c(f)(2), NSPS Subpart Dc: Compliance Certification

EU=0-43010,Proc=04A

- 56 40CFR 63, Subpart JJJJJ: Compliance Certification

EU=0-43010,Proc=04A,ES=43011

- 57 6 NYCRR 227-2.4 (c) (1) (i): Compliance Certification

EU=0-43010,Proc=04A,ES=43012

- 58 6 NYCRR 227-2.4 (c) (1) (i): Compliance Certification

EU=0-43010,Proc=04A,ES=43013

- 59 6 NYCRR 227-2.4 (c) (1) (i): Compliance Certification

EU=0-43010,Proc=04A,ES=43015

- 60 6 NYCRR 227-2.4 (c) (1) (i): Compliance Certification

EU=0-43010,Proc=04A,ES=43018

- 61 6 NYCRR 227-2.4 (c) (1) (i): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 62 ECL 19-0301: Contaminant List
- 63 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 64 6 NYCRR 211.2: Visible Emissions Limited

Emission Unit Level

EU=0-43010,Proc=02A,ES=43017

- 65 6 NYCRR 227-2.4 (d): Compliance Demonstration

EU=0-43010,Proc=04A,ES=43011

- 66 6 NYCRR 227-2.4 (c) (1) (ii): Compliance Demonstration

EU=0-43010,Proc=04A,ES=43012

- 67 6 NYCRR 227-2.4 (c) (1) (ii): Compliance Demonstration

New York State Department of Environmental Conservation

Permit ID: 2-6204-00118/00005

Facility DEC ID: 2620400118



EU=0-43010,Proc=04A,ES=43013

68 6 NYCRR 227-2.4 (c) (1) (ii): Compliance Demonstration

EU=0-43010,Proc=04A,ES=43015

69 6 NYCRR 227-2.4 (c) (1) (ii): Compliance Demonstration

EU=0-43010,Proc=04A,ES=43018

70 6 NYCRR 227-2.4 (c) (1) (ii): Compliance Demonstration

EU=0-43010,Proc=06A,ES=43017

71 6 NYCRR 227-2.4 (d): Compliance Demonstration



FEDERALLY ENFORCEABLE CONDITIONS
****** Facility Level ******

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

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

- (1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
- (2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
- (3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

Item B: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 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 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.



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

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

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

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

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

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

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

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

Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 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 H: Property Rights - 6 NYCRR 201-6.5 (a) (6)

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



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

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

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

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

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

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

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is



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

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

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

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

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

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

Item L: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York



(NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item M: Federally Enforceable Requirements - 40 CFR 70.6 (b)
All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:
Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: Fees
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (7)

Item 2.1:
The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

Condition 3: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 02/27/2012 and 02/26/2017

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

Item 3.1:



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 4: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 02/27/2012 and 02/26/2017

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

Item 4.1:

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 5: Compliance Certification

Effective between the dates of 02/27/2012 and 02/26/2017

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

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

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 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 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.

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 4/30/2012.



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

Condition 6: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

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

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:

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.

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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 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 10/30/2012.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

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. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air

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Resources, Bureau of Air Quality Planning, 625 Broadway,
Albany NY 12233-3251

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

(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 9: Open Fires - Prohibitions
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

Except as allowed by Title 6 NYCRR Section 215.3, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item 9.2

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended



until extinguished.

(g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.

(h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.

(i) Prescribed burns performed according to Part 194 of this Title.

(j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.

(k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.

(l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.

[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

**Condition 10: Maintenance of Equipment
Effective between the dates of 02/27/2012 and 02/26/2017**

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

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

**Condition 11: Recycling and Salvage
Effective between the dates of 02/27/2012 and 02/26/2017**

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

Where practical, any person who owns or operates an air contamination source shall recycle or



salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air

Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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

Condition 13: Exempt Sources - Proof of Eligibility

Effective between the dates of 02/27/2012 and 02/26/2017

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

Item 13.1:

The owner and/or operator of an emission source or unit that is eligible to be exempt may be required to certify that it operates within the specific criteria described in this Subpart. 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 this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other State and Federal air pollution control requirements, regulations, or law.

Condition 14: Trivial Sources - Proof of Eligibility

Effective between the dates of 02/27/2012 and 02/26/2017

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

Item 14.1:

The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. 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 this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other State and Federal air pollution control requirements, regulations, or law.

Condition 15: Standard Requirement - Provide Information

Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (4)

Item 15.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for



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 provision 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 as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

Condition 19: Required Emissions Tests
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 19.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

Condition 20: Accidental release provisions.
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:40 CFR Part 68

Item 20.1:

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

New York State Department of Environmental Conservation

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C/O CSC
8400 Corporate Dr
Carrollton, Md. 20785

Condition 21: Recycling and Emissions Reduction
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:40CFR 82, Subpart F

Item 21.1:
The permittee shall comply with all applicable provisions of 40 CFR Part 82.

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

Condition 22: Emission Unit Definition
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 22.1:
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 FIVE (5) EXISTING BOILERS, AND THE ONE (1) ABSORBER. THE 5 BOILERS ARE NUMBERED # 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.

Building(s): 1268

Condition 23: Air pollution prohibited
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR 211.1

Item 23.1:
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.



Condition 24: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR Part 212

Item 24.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 24.2:

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 4/30/2012.

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

Condition 25: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR Part 212

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 25.2:

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

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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 4/30/2012.

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

Condition 26: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR Part 212

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000075-18-3 DIMETHYL SULFIDE

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ROCKEFELLER WILL ACCEPT A CAP ON TOTAL

EMISSIONS OF 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 4/30/2012.

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

Condition 27: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR Part 212

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

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Item 27.2:

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 4/30/2012.

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

Condition 28: Compliance Certification

Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR Part 212

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000050-00-0 FORMALDEHYDE

Item 28.2:

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 4/30/2012.

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



Condition 29: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR Part 212

Item 29.1:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 29.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

ROCKEFELLER WILL ACCEPT A CAP ON TOTAL EMISSIONS OF 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 4/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 30: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR Part 212

Item 30.1:
The Compliance Certification activity will be performed for the Facility.

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

Item 30.2:
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 4/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 31: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR Part 212

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 31.2:

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 4/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 32: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR Part 212

Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 000067-66-3 CHLOROFORM

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Item 32.2:

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 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 4/30/2012.

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

Condition 33: Compliance Certification

Effective between the dates of 02/27/2012 and 02/26/2017

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

Item 33.1:

The Compliance Certification activity will be performed for the Facility.

Item 33.2:

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 4/30/2012.

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



Condition 34: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

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

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

Item 34.2:

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 4/30/2012.

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

Condition 35: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR 225-1.8

Item 35.1:

The Compliance Certification activity will be performed for the Facility.

Item 35.2:

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 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: PER DELIVERY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 36: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

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

Item 36.1:
The Compliance Certification activity will be performed for the Facility.

Item 36.2:
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 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

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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 4/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 37: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

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

Item 37.1:

The Compliance Certification activity will be performed for the Facility.

Item 37.2:

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

Condition 38: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR 225.7 (a)

Item 38.1:

The Compliance Certification activity will be performed for the Facility.

Item 38.2:

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 4/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 39: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

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

Item 39.1:
The Compliance Certification activity will be performed for the Facility.

Item 39.2:
Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one 6 minute period per hour of not more than 27 percent opacity. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the Method 9 test



indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up Method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Monitoring Frequency: DAILY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 40: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR 231-2.2

Item 40.1:
The Compliance Certification activity will be performed for the Facility.

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

Item 40.2:
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
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 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 4/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 41: Compliance date for management practices
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:40CFR 63.11196(a)(1), Subpart JJJJJ

Item 41.1:

The owner or operator of an existing affected boiler that is subject to a work practice or management practice standard of a tune-up must achieve compliance with the work practice or management standard no later than March 21, 2012.

Condition 42: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:40CFR 63.11201(b), Subpart JJJJJ

Item 42.1:

The Compliance Certification activity will be performed for the Facility.

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a new or existing coal-fired boiler greater than 10 mmBtu and new and existing biomass-fired and oil-fired boilers must conduct a tune-up of the boiler biennially according to the following procedures.

(1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the owner or operator may delay the burner inspection until the next scheduled unit shutdown, but must inspect each burner at least once every 36 months).

(2) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The



adjustment should be consistent with the manufacturer's specifications, if available.

(3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly.

(4) Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available.

(5) Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made).

(6) Maintain onsite and submit biennial report containing the information in paragraphs (i) through (iii).

(i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the tune-up of the boiler.

(ii) A description of any corrective actions taken as a part of the tune-up of the boiler.

(iii) The type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler.

(7) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within one week of startup.

Monitoring Frequency: EVERY TWO YEARS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

**Condition 43: Good air pollution control practices
Effective between the dates of 02/27/2012 and 02/26/2017**

Applicable Federal Requirement: 40CFR 63.11205(a), Subpart JJJJJ

Item 43.1:

At all times the owner or operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty



to minimize emissions does not require any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

Condition 44: Notifications

Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:40CFR 63.11225(a), Subpart JJJJJ

Item 44.1:

The owner or operator must submit the notifications specified in paragraphs (1) through (5) to the delegated authority.

(1) The owner or operator must submit all of the notifications in 40 CFR 63.7(b): 63.8(e) and (f); 63.9(b) through (e); and 63.9(g) and (h) that apply by the dates specified in those sections.

(2) As specified in 40 CFR 63.9(b)(2), the owner or operator must submit the Initial Notification no later than 120 calendar days after May 20, 2011 or within 120 days after the source becomes subject to the standard.

(3) If the owner or operator is required to conduct a performance stack test he/she must submit a Notification of Intent to conduct a performance test at least 60 days before the performance stack test is scheduled to begin.

(4) The owner or operator must submit the Notification of Compliance Status in accordance with 40 CFR 63.9(h) no later than 120 days after the applicable compliance date specified in 40 CFR 63.11196 unless he/she must conduct a performance stack test. If the owner or operator must conduct a performance stack test, he/she must submit the Notification of Compliance Status within 60 days of completing the performance stack test. In addition to the information required in 40 CFR 63.9(h)(2), the notification must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

(i) "This facility complies with the requirements in § 63.11214 to conduct an initial tune-up of the boiler."

(ii) "This facility has had an energy assessment performed according to § 63.11214(c)."

(iii) For an owner or operator that installs bag leak detection systems: "This facility has prepared a bag leak detection system monitoring plan in accordance with § 63.11224 and will operate each bag leak detection system according to the plan."

(iv) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: "No secondary materials that are solid waste were combusted in any affected unit."

(5) If the owner or operator is using data from a previously conducted emission test to serve as documentation of conformance with the emission standards and operating limits of this subpart consistent with 40 CFR 63.7(e)(2)(iv), he/she must submit the test data in lieu of the initial performance test results with the Notification of Compliance Status required under paragraph



(4).

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

Condition 45: Emission Point Definition By Emission Unit
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 45.1:

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

Condition 46: Process Definition By Emission Unit
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 46.1:

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: FIRING NATURAL GAS.

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: 43015 - Combustion
Design Capacity: 29.95 million Btu per hour

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

Emission Source/Control: 43018 - Combustion
Design Capacity: 29.95 million Btu per hour

Item 46.2:

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



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 10/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 48: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

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

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-43010

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

Item 48.2:

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 4/30/2012.

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

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Condition 49: Excess Emissions Report
Effective between the dates of 02/27/2012 and 02/26/2017

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

Item 49.1:
This Condition applies to Emission Unit: 0-43010

Item 49.2:
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 50: Applicability of this Subpart to this emission source
Effective between the dates of 02/27/2012 and 02/26/2017

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

Item 50.1:
This Condition applies to Emission Unit: 0-43010

Item 50.2:
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 51: Exemption from the averaging period.
Effective between the dates of 02/27/2012 and 02/26/2017

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

Item 51.1:
This Condition applies to Emission Unit: 0-43010

Item 51.2:
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 52: Alternative compliance methods for sulfur dioxide.
Effective between the dates of 02/27/2012 and 02/26/2017

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

Item 52.1:
This Condition applies to Emission Unit: 0-43010

Item 52.2:
Facilities demonstrating compliance through vender certification shall follow the

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compliance procedures listed in paragraphs
40 CFR 60-Dc.48c(f)(1), (2), or (3), as
applicable.

Condition 53: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

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

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-43010

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

Item 53.2:

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 4/30/2012.

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

Condition 54: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

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

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-43010

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

Item 54.2:

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.
- iii) The sulfur content or maximum 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 4/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 55: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

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

Item 55.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-43010

Item 55.2:
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 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 4/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 56: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:40CFR 63, Subpart JJJJJ

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-43010
Process: 04A

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Must have a onetime energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table satisfies the energy assessment requirement. The energy assessment must include:

- (1) A visual inspection of the boiler system,
- (2) An evaluation of operating characteristics of the facility, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints,
- (3) Inventory of major systems consuming energy from affected boiler(s),
- (4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage,
- (5) A list of major energy conservation measures,
- (6) A list of the energy savings potential of the energy conservation measures identified,
- (7) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

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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 4/30/2012.

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

Condition 57: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR 227-2.4 (c) (1) (i)

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-43010

Process: 04A

Emission Source: 43011

Regulated Contaminant(s):

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

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to residual oil fired or residual oil/gas fired mid-size boilers and is applicable until June 30th 2014. The owner or operator shall submit a testing protocol to the Department for approval a minimum of 30 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years.

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: 40 CFR 60 Appendix A - method 7, 7E, or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

Condition 58: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement:6 NYCRR 227-2.4 (c) (1) (i)

Item 58.1:

The Compliance Certification activity will be performed for:

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Emission Unit: 0-43010

Process: 04A

Emission Source: 43012

Regulated Contaminant(s):

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

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to residual oil fired or residual oil/gas fired mid-size boilers and is applicable until June 30th 2014. The owner or operator shall submit a testing protocol to the Department for approval a minimum of 30 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years.

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: 40 CFR 60 Appendix A - method 7, 7E, or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

Condition 59: Compliance Certification

Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement: 6 NYCRR 227-2.4 (c) (1) (i)

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-43010

Process: 04A

Emission Source: 43013

Regulated Contaminant(s):

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

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to residual oil fired or residual oil/gas fired mid-size boilers and is applicable until June 30th 2014. The owner or operator shall submit a testing protocol to the Department for approval a minimum



of 30 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years.

Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: 40 CFR 60 Appendix A - method 7, 7E, or 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 60: Compliance Certification
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement: 6 NYCRR 227-2.4 (c) (1) (i)

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-43010
Process: 04A Emission Source: 43015

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

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to residual oil fired or residual oil/gas fired mid-size boilers and is applicable until June 30th 2014. The owner or operator shall submit a testing protocol to the Department for approval a minimum of 30 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years.

Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: 40 CFR 60 Appendix A - method 7, 7E, or 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 61: Compliance Certification



Effective between the dates of 02/27/2012 and 02/26/2017

Applicable Federal Requirement: 6 NYCRR 227-2.4 (c) (1) (i)

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-43010

Process: 04A

Emission Source: 43018

Regulated Contaminant(s):

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

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to residual oil fired or residual oil/gas fired mid-size boilers and is applicable until June 30th 2014. The owner or operator shall submit a testing protocol to the Department for approval a minimum of 30 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years.

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: 40 CFR 60 Appendix A - method 7, 7E, or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

Subsequent reports are due every 6 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 62: Contaminant List
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable State Requirement:ECL 19-0301

Item 62.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000050-00-0
Name: FORMALDEHYDE



CAS No: 000067-66-3
Name: CHLOROFORM

CAS No: 000071-43-2
Name: BENZENE

CAS No: 000075-18-3
Name: DIMETHYL SULFIDE

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

CAS No: 007664-39-3
Name: HYDROGEN FLUORIDE

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

CAS No: 0NY100-00-0
Name: HAP

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

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

Condition 63: Unavoidable noncompliance and violations
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable State Requirement:6 NYCRR 201-1.4

Item 63.1:

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

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

New York State Department of Environmental Conservation

Permit ID: 2-6204-00118/00005

Facility DEC ID: 2620400118



Emission Unit: 0-43010

Process: 02A

Emission Source: 43017

Regulated Contaminant(s):

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

Item 65.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a small boiler, small combustion turbine, or small internal combustion engine must perform an annual tune-up of their equipment. This tune-up should be performed in accordance with the requirements of the DAR-5 guidance document. Records of each tune-up must be kept on-site for a minimum of five years.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2012.

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

Condition 66: Compliance Demonstration

Effective between the dates of 02/27/2012 and 02/26/2017

Applicable State Requirement:6 NYCRR 227-2.4 (c) (1) (ii)

Item 66.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-43010

Process: 04A

Emission Source: 43011

Regulated Contaminant(s):

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

Item 66.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to residual oil/gas fired mid-size boilers. The owner or operator shall submit a testing protocol to the Department for approval a minimum of 30 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years.

The compliance deadline, with the emission limitation

New York State Department of Environmental Conservation

Permit ID: 2-6204-00118/00005

Facility DEC ID: 2620400118



Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 68: Compliance Demonstration
Effective between the dates of 02/27/2012 and 02/26/2017

Applicable State Requirement: 6 NYCRR 227-2.4 (c) (1) (ii)

Item 68.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-43010

Process: 04A

Emission Source: 43013

Regulated Contaminant(s):

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

Item 68.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to residual oil/gas fired mid-size boilers. The owner or operator shall submit a testing protocol to the Department for approval a minimum of 30 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years.

The compliance deadline, with the emission limitation listed in this condition, is July, 1 2014. Compliance with the monitoring, record keeping, or reporting requirements listed in this condition begins on July, 1 2014.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.20 pounds per million Btus

Reference Test Method: 40 CFR 60 Appendix A - Method 7, 7E, or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

Condition 69: Compliance Demonstration
Effective between the dates of 02/27/2012 and 02/26/2017



Applicable State Requirement:6 NYCRR 227-2.4 (c) (1) (ii)

Item 69.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-43010

Process: 04A

Emission Source: 43015

Regulated Contaminant(s):

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

Item 69.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to residual oil/gas fired mid-size boilers. The owner or operator shall submit a testing protocol to the Department for approval a minimum of 30 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years.

The compliance deadline, with the emission limitation listed in this condition, is July, 1 2014. Compliance with the monitoring, record keeping, or reporting requirements listed in this condition begins on July, 1 2014.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.20 pounds per million Btus

Reference Test Method: 40 CFR 60 Appendix A - Method 7, 7E, or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

Condition 70: Compliance Demonstration

Effective between the dates of 02/27/2012 and 02/26/2017

Applicable State Requirement:6 NYCRR 227-2.4 (c) (1) (ii)

Item 70.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-43010

Process: 04A

Emission Source: 43018

Regulated Contaminant(s):



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

Item 70.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to residual oil/gas fired mid-size boilers. The owner or operator shall submit a testing protocol to the Department for approval a minimum of 30 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years.

The compliance deadline, with the emission limitation listed in this condition, is July, 1 2014. Compliance with the monitoring, record keeping, or reporting requirements listed in this condition begins on July, 1 2014.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.20 pounds per million Btus

Reference Test Method: 40 CFR 60 Appendix A - Method 7, 7E, or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

Condition 71: Compliance Demonstration
Effective between the dates of 02/27/2012 and 02/26/2017

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

Item 71.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-43010

Process: 06A

Emission Source: 43017

Regulated Contaminant(s):

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

Item 71.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a small boiler, small combustion turbine, or small internal combustion engine must perform

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an annual tune-up of their equipment. This tune-up should be performed in accordance with the requirements of the DAR-5 guidance document. Records of each tune-up must be kept on-site for a minimum of five years.

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2012.
Subsequent reports are due every 12 calendar month(s).

