PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6104-00132/00009
Effective Date: 08/05/2015 Expiration Date: 08/04/2020

Permit Issued To:STATE UNIVERSITY OF NEW YORK
STATE UNIVERSITY PLAZA
381 BROADWAY
ALBANY, NY 12246

Contact: BRIAN PITT
DOWNSTATE MEDICAL CENTER
450 CLARKSON AVE
BROOKLYN, NY 11203
(718) 270-2345

Facility: DOWNSTATE MEDICAL CENTER
450 CLARKSON AVE
BROOKLYN, NY 11203-2098

Contact: BRIAN PITT
DOWNSTATE MEDICAL CENTER
450 CLARKSON AVE
BROOKLYN, NY 11203
(718) 270-2345

Description:

PERMIT DESCRIPTION
Downstate Medical Center
DEC ID # 2-6104-00132/00009 (Ren #3)

Application for renewal of Air Title V Facility.

The facility is planning a boiler replacement project to replace the five (5) 42 MM Btu/hr each natural gas and # 6 residual fuel oil fired boilers (Emission Sources S0001, S0002, S0003, S0004 and S0005) in Emission Unit 0-U0001 with five (5) 50 MM Btu/hr each natural gas/# 2 distillate fuel oil boilers (Emission Sources S0011, S0012, S0013, S0014 & S0015) in Emission Unit 0-U0007. In order to complete this project, two (2) temporary 50 MM Btu/hr each (Emission Sources TMPB1 & TMPB2) natural gas (Process NGT) and /# 2 distillate fuel oil (Process 2FT) boilers (Emission Sources TMPB1 & TMPB2) will be installed to provide heat load (steam) during the boiler replacement project to ensure the facility has no interruption of services. During the boiler

replacement project, five (5) # 2 distillate fuel oil/natural gas boilers in Emission Unit 0-U0007 are being installed to replace the five (5) # 6 residual fuel oil /natural gas boilers in Emission Unit 0-U0001. The five (5) boilers will be replaced in three phases as follow:

Phase 1: Anticipated November, 2015. Two (2) 50 MM Btu/hr each temporary boilers (Emission Sources TMPB1 & TMPB2) dual-fuel fired, operating on natural gas (Process NGT) and # 2 distillate fuel oil (Process 2FT) will be installed in Emission Unit 0-TEMP1.

Phase 2: Anticipated March, 2016. Two of the old 42 MM Btu/hr each boilers (Emission Sources S0001 & S0002) in Emission Unit 0-U0001 will be removed. Then, two (2) 50 MM Btu/hr each new boilers (Emission Sources S0011 & S0012) in Emission Unit 0-U0007 will be installed.

Phase 3: Anticipated December, 2016. The remaining three old 42 MM Btu/hr each boilers (Emission Sources S0003, S0004 & S0005) in Emission Unit 0-U0001 will be removed, and the final three 50 MM Btu/hr each new boilers (Emission Sources S0013, S0014 & S0015) in Emission Unit 0-U0007 will be installed.

Final Phase: Anticipated April, 2017. Once the five (5) new 50 MM Btu/hr each boilers are installed, the two (2) temporary boilers (Emission Sources TMPB1 & TMPB2) in Emission Unit 0-TEMP1 will be removed.

This application also coincides with, and will act as, the 5 year Title V renewal application for the facility, which expires on 10/25/2015.

Any combination of existing, new, and temporary boilers may be operated during the replacement project, however; no more than three (3) boilers will be capable of running at any one time. Therefore, a significant increase in emissions is not expected.

Since the boilers are being added and removed in several phases, the facility will notify NYSDEC when the new emission sources (equipments) are installed, and also when the existing boilers are removed. Once the two (2) temporary boilers (Emission Sources TMPB1 & TMPB2) in Emission Unit 0-TEMP, and the five (5) existing boilers (Emission Sources S0001, S0002, S0003, S0004 and S0005) in Emission Unit 0-U0001 have been removed, the facility will notify the NYSDEC that the emission sources in Emission Unit 0-TEMP, and 0-U0001 have been removed, and request that they be removed from the permit via a modification.

The facility is also installing a 1,000 KW emergency generator in the Basic Science Building that is used for emergency purposes only and will operate less than 500 hours a year, and thus is exempt from permitting.

The facility's current Title V permit expires on October 25, 2015, and the renewal # 3 application is due no later than April 25, 2015. Since the boiler replacement project permit modification is being submitted close to the renewal date, this application also serves as the Title V Permit Renewal Application.

Capping

SUNY Downstate Medical Center maintains a 225 tons/year limit on both NOx and SO2 emissions as stated in their current Title V permit, and in the renewal # 3 application. Based on their current natural gas and fuel oil usage (consumption), and the anticipated # 2 distillate fuel oil use for the new boilers, the facility's wide maximum actual emissions (in tons) from 2009 - 2013 and potential emissions are as follows:

Pollution	Actual	Potential
PM-10	6.26	39.3
PM	6.26	39.3
SO2	5.51	63.7
NOx	33.11	456
CO	19.45	146
Lead	0.00	0.01
VOC	3.22	15.2
Total HAP	0.42	3.07
CO2	28,608	255,410
CH4	74.10	807
N2O	82.60	893

CO2Eq	30,302	272,760

NSR / PSD

New Source Review (NSR) does not apply to the modofication, since the proposed project emission potentials do not exceed the NSR significant project thresholds listed in 6 NYCRR 231-13. The replacement of # 6 residual fuel oil with # 2 distillate fuel oil (0.0015 ppm Sulfur) will result in a decrease of NOx and SO2 emissions potentials as well as actual emissions. Therefore, the project emission potentials (PEP) from the project for these emissions are zero (0).

However; it should be noted that the project emission potential (PEP) for CO emissions will increase by approximately by 16 tons due to the boiler replacement and the new emergency generator, however; the increase is below the 100 ton NSR threshold and therefore will not trigger NSR. Furthermore, the NOx and SOx cappings limit the CO to below the 100 ton Title V threshold and therefore, no CO emission limit is needed (required).

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: STEPHEN A WATTS
47-40 21ST ST
LONG ISLAND CITY, NY 11101-5401

Authorized Signature: _____ Date: ___ / ___ / _____

Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the 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
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.

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

Condition 5: Submission of application for permit modification or renewal - REGION 2 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:
Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 2 Headquarters
Division of Environmental Permits
1 Hunters Point Plaza, 4740 21st Street
Long Island City, NY 11101-5407
(718) 482-4997

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To:STATE UNIVERSITY OF NEW YORK
STATE UNIVERSITY PLAZA
381 BROADWAY
ALBANY, NY 12246

Facility: DOWNSTATE MEDICAL CENTER
450 CLARKSON AVE
BROOKLYN, NY 11203-2098

Authorized Activity By Standard Industrial Classification Code:
8062 - GENERAL MEDICAL & SURGICAL HOSPITALS
8221 - COLLEGES AND UNIVERSITIES, NEC

Permit Effective Date: 08/05/2015 Permit Expiration Date: 08/04/2020

LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS
Facility Level

1 6 NYCRR 200.6: Acceptable Ambient Air Quality
2 6 NYCRR 201-6.4 (a) (7): Fees
3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
6 6 NYCRR 201-6.4 (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 201-3.2 (a): Compliance Certification
15 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
16 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
17 6 NYCRR 201-6.4 (a) (8): Right to Inspect
18 6 NYCRR 201-6.4 (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 201-3.2 (c): Compliance Certification
23 6 NYCRR Subpart 201-6: Emission Unit Definition
24 6 NYCRR 201-6.2 (d) (3) (i): Compliance Certification
25 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
26 6 NYCRR 201-6.4 (g): Non Applicable requirements
27 6 NYCRR 201-7.1: Facility Permissible Emissions
*28 6 NYCRR 201-7.1: Capping Monitoring Condition
*29 6 NYCRR 201-7.1: Capping Monitoring Condition
*30 6 NYCRR 201-7.1: Capping Monitoring Condition
31 6 NYCRR 211.1: Air pollution prohibited
32 6 NYCRR 212.2: Compliance Certification
33 6 NYCRR 212.2: Compliance Certification
34 6 NYCRR 212.3 (a): Compliance Certification
35 6 NYCRR 212.6 (a): Compliance Certification
36 6 NYCRR 212.9 (b): Compliance Certification
37 6 NYCRR 225-1.2 (f): Compliance Certification
38 6 NYCRR 225-1.2 (g): Compliance Certification
39 6 NYCRR 225-1.2 (h): Compliance Certification
40 6 NYCRR 225-1.6: Compliance Certification
41 6 NYCRR 227-1.3 (a): Compliance Certification
42 6 NYCRR 227-2.4 (c) (1) (ii): Compliance Certification
43 6 NYCRR 227-2.4 (c) (1) (ii): Compliance Certification

44 6 NYCRR 227-2.4 (d): Compliance Certification
45 6 NYCRR 227-2.4 (d): Compliance Certification
46 6 NYCRR 227-2.5 (a): Compliance Certification
47 6 NYCRR 227-2.5 (a): Compliance Certification
48 6 NYCRR 227.2 (b) (1): Compliance Certification
49 6 NYCRR 227.2 (b) (1): Compliance Certification
50 6 NYCRR 227.2 (b) (1): Compliance Certification
51 40CFR 60, NSPS Subpart IIII: Applicability
52 40CFR 60.4202(a)(2), NSPS Subpart IIII: Compliance Certification
53 40CFR 60.4205(b), NSPS Subpart IIII: Compliance Certification
54 40CFR 60.4206, NSPS Subpart IIII: Duration of emission standards for new stationary compression ignition IC engines
55 40CFR 60.4208, NSPS Subpart IIII: Stationary CI-IC Engines - Installation and importing deadlines for engines produced in the previous model year
56 40CFR 60.4211(c), NSPS Subpart IIII: Compliance Certification
57 40CFR 60.4211(e), NSPS Subpart IIII: Compliance Certification
58 40CFR 60.4214, NSPS Subpart IIII: Compliance Certification
59 40CFR 60.4218, NSPS Subpart IIII: General Provisions
60 40CFR 63, Subpart ZZZZ: Applicability
61 40CFR 63.6585, Subpart ZZZZ: Compliance Certification
62 40CFR 63.6603(a), Subpart ZZZZ: Compliance Certification
63 40CFR 63.6603(a), Subpart ZZZZ: Compliance Certification
64 40CFR 63.6625(e), Subpart ZZZZ: Compliance Certification
65 40CFR 63.6640(f), Subpart ZZZZ: Compliance Certification
66 40CFR 63.6640(f), Subpart ZZZZ: Compliance Certification
67 40CFR 63.6665, Subpart ZZZZ: General provisions
68 40CFR 63.6665, Subpart ZZZZ: Compliance Certification
69 40CFR 80.510(b), Subpart I: Compliance Certification
70 40CFR 89.112, Subpart B: Compliance Certification
71 40CFR 89.112, Subpart B: Compliance Certification
72 40CFR 89.112, Subpart B: Compliance Certification
73 40CFR 89.112, Subpart B: Compliance Certification
74 40CFR 89.112, Subpart B: Compliance Certification
75 40CFR 89.113, Subpart B: Compliance Certification

Emission Unit Level

76 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
77 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
78 6 NYCRR 201-7.1: Emission Unit Permissible Emissions
79 6 NYCRR 201-7.1: Process Permissible Emissions

EU=0-U0001,EP=E0001,Proc=OIL

80 6 NYCRR 227-1.3 (a): Compliance Certification

EU=0-U0003

81 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.

EU=0-U0003,Proc=2FO,ES=S0007

82 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Certification

EU=0-U0003,EP=E0003,Proc=2FO,ES=S0007

83 6 NYCRR 227-1.3 (a): Compliance Certification

84 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
85 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source
86 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period.
87 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability
88 40CFR 60.44c(g), NSPS Subpart Dc: Alternative compliance method for sulfur dioxide.
89 40CFR 60.44c(h), NSPS Subpart Dc: Alternative compliance methods for sulfur dioxide.
90 40CFR 60.44c(h), NSPS Subpart Dc: Compliance Certification
91 40CFR 60.46c(e), NSPS Subpart Dc: Exemption from sulfur dioxide monitoring requirements.
92 40CFR 60.48c(d), NSPS Subpart Dc: Compliance Certification
93 40CFR 60.48c(e)(1), NSPS Subpart Dc: Compliance Certification
94 40CFR 60.48c(e)(2), NSPS Subpart Dc: Compliance Certification
95 40CFR 60.48c(e)(3), NSPS Subpart Dc: Compliance Certification
96 40CFR 60.48c(e)(11), NSPS Subpart Dc: Compliance Certification
97 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Certification
98 40CFR 60.48c(i), NSPS Subpart Dc: Compliance Certification
99 40CFR 60.4207(b), NSPS Subpart IIII: Compliance Certification
100 40CFR 60.4207(b), NSPS Subpart IIII: Compliance Certification
101 40CFR 60.4207(b), NSPS Subpart IIII: Compliance Certification
102 40CFR 60.4209(a), NSPS Subpart IIII: Compliance Certification
103 40CFR 60.4211(a), NSPS Subpart IIII: Compliance Certification

EU=0-U0006,EP=0ETO1,Proc=ETO,ES=ETO01

104 6 NYCRR 201-6.2 (d) (3) (i): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS
Facility Level

105 ECL 19-0301: Contaminant List
106 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
107 6 NYCRR 211.2: Visible Emissions Limited

Emission Unit Level

EU=0-U0002,EP=E0002,Proc=002,ES=S0006

108 6 NYCRR Subpart 219-4: Compliance Demonstration
109 6 NYCRR 219-4.5 (a): Compliance Demonstration
110 6 NYCRR 219-4.5 (b): Compliance Demonstration
111 6 NYCRR 219-4.5 (b): Compliance Demonstration
112 6 NYCRR 219-4.7: Compliance Demonstration
113 6 NYCRR 219-4.7: Compliance Demonstration
114 6 NYCRR 219-4.11: Compliance Demonstration

NOTE: * preceding the condition number indicates capping.

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, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department 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 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 and maintained;
(3) During the period of the emergency the facility owner 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 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 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 201-6.2 (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 201-6.2 (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 201-6.4 (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 201-6.4 (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 201-6.4 (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 201-6.4 (a) (6)

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

Item I: Severability - 6 NYCRR 201-6.4 (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 201-6.4 (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 201-6.4 (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 08/05/2015 and 08/04/2020

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 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (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 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (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 201-6.2 of Part 201.

Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (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 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (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 201-6.2(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 may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent 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) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (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 record keeping and reporting requirements of this permit;
- such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted

annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent 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) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

Chief – Stationary Source Compliance Section
USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
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 7/30/2016.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

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 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 08/05/2015 and 08/04/2020

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 08/05/2015 and 08/04/2020

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 08/05/2015 and 08/04/2020

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 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:
Where practical, the owner or operator of 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 08/05/2015 and 08/04/2020

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 08/05/2015 and 08/04/2020

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

Item 13.1:
The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

Condition 14: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 14.1:
The Compliance Certification activity will be performed for the Facility.

Item 14.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
AS PROOF OF EXEMPT ELIGIBILITY FOR THE

EMERGENCY GENERATORS, THE FACILITY MUST MAINTAIN MONTHLY RECORDS WHICH DEMONSTRATE THAT EACH ENGINE IS OPERATED LESS THAN 500 HOURS PER YEAR, ON A 12-MONTH ROLLING TOTAL BASIS.

Work Practice Type: HOURS PER YEAR OPERATION
Upper Permit Limit: 500.0 hours
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 15: Trivial Sources - Proof of Eligibility
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 15.1:
The owner or operator of an emission source or activity that is listed as being trivial in this Section may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request.

Condition 16: Requirement to Provide Information
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (4)

Item 16.1:
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 modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 17: Right to Inspect
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (8)

Item 17.1:
The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 18: Off Permit Changes
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (f) (6)

Item 18.1:
No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any 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 201-6.4 shall not apply to any change made pursuant to this paragraph.

Condition 19: Required Emissions Tests
Effective between the dates of 08/05/2015 and 08/04/2020

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 08/05/2015 and 08/04/2020

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

Condition 21: Recycling and Emissions Reduction
Effective between the dates of 08/05/2015 and 08/04/2020

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: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 22.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004 Emission Point: 0NAB4
Process: GEN Emission Source: GEN01

Emission Unit: 0-U0005 Emission Point: 0GEN2
Process: GN1 Emission Source: GEN02

Emission Unit: 0-U0005 Emission Point: 0GEN3
Process: GN1 Emission Source: GEN03

Emission Unit: 0-U0005 Emission Point: 0GEN4
Process: GN1 Emission Source: GEN04

Emission Unit: 0-U0005 Emission Point: 0GEN5
Process: GN1 Emission Source: GEN05

Emission Unit: 0-U0005 Emission Point: 0TEMP
Process: GN1 Emission Source: TEMPG

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

Item 22.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
The 1,500 KW Cummins Inc., QSK50-G4 NR2 diesel fuel emergency generator (Emission Source GEN01) in Emission Unit 0-U0004, the four (4) 750 KW each Caterpillar Model C27 replacement diesel fuel emergency generators (Emission Sources GEN02, GEN03, GEN04 & GEN05) in Emission Unit 0-U0005, and the 2,000 KW BALDER/IDLC2000-2M diesel fuel temporary emergency generator (Emission Source TEMPG in Emission Unit 0-U0005 are exempt from NYSDEC permitting in accordance with 6 NYCRR 201-3.1(b) and 3.2(c)(6).

6 NYCRR 201-3.2(c)(6):

Emergency power generating stationary internal combustion engines as defined in 200.1(cq) and engine test cells at engine manufacturing facilities that are utilized for research and development, reliability performance testing, or quality assurance performance testing.

6 NYCRR 200.1(cq):

Emergency power generating stationary internal combustion engine. A stationary internal combustion engine that operates as a mechanical or electrical power source only when the usual supply of power is unavailable, and operates for no more than 500 hours per year. The 500 hours of annual operation for the engine include operation during emergency situations, routine maintenance, and routine exercising (for example, test firing the engine

for one hour a week to ensure reliability). A stationary internal combustion engine used for peak shaving generation is not an emergency power generating stationary internal combustion engine.

Work Practice Type: HOURS PER YEAR OPERATION
Upper Permit Limit: 500 hours
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 23: Emission Unit Definition
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 23.1:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-TEMP1
Emission Unit Description:

Emission Unit 0-TEMP1 consists of two (2) temporary boilers with a maximum heat input of 50 MM Btu/hr each during the boiler replacement project. The boilers are identified as Emission sources TMPB1 & TMPB2. The two boilers are dual-fuel fired, operating on natural gas (Process NGT) and # 2 distillate fuel oil (Process 2FT).

The emissions from the two temporary boilers are exhausted through a combined stack identified as Emission Point TMPBL.

The two temporary boilers are being installed to provide heat load during the boiler replacement project, in which five (5) # 2 distillate fuel oil/natural gas boilers in Emission Unit 0-U0007 are being installed to replace the five (5) # 6 residual fuel oil /natural gas boilers in Emission Unit 0-U0001. The five (5) boilers will be replaced in three phases as follow:

Phase 1: Anticipated November, 2015. Two (2) 50 MM Btu/hr each temporary boilers (Emission Sources TMPB1 & TMPB2) will be installed in Emission Unit 0-TEMP1.

Phase 2: Anticipated March, 2016. Two of the old 42 MM Btu/hr each boilers (Emission Sources S0001 & S0002) in Emission Unit 0-U0001 will be removed. Then, two (2) 50 MM Btu/hr each new boilers (Emission Sources S0011 & S0012) in Emission Unit 0-U0007 will be installed.

Phase 3: Anticipated December, 2016. The remaining three old 42 MM Btu/hr each boilers (Emission Sources S0003, S0004 & S0005) in Emission Unit 0-U0001 will be removed, and the final three 50 MM Btu/hr each boilers (Emission Sources S0013, S0014 & S0015) in Emission Unit 0-U0007 will be installed.

Final Phase: Once the five (5) new 50 MM Btu/hr each boilers are installed, the two (2) temporary boilers (Emission Sources TMPB1 & TMPB2) in Emission Unit 0-TEMP1 will be removed.

Building(s): OUTSIDE

Item 23.2:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-U0001
Emission Unit Description:
Emission Unit 0-U0001 consists of five (5) Combustion Engineering boilers, each with a maximum heat input of 42 MM Btu/hr, identified as Emission Sources S0001, S0002, S0003, S0004 & S0005. These five external combustion boilers operate on dual-fuel, natural gas (Process GAS) and #6 fuel oil (Process OIL). The flue gases from these boilers exit through a common stack, identified as Emission Point E0001.
The operation end date for these five (5) boilers is expected to be 4/1/2017.

Building(s): 1

Item 23.3:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-U0002
Emission Unit Description:
Emission Unit 0-U0002 consists of a 200 lb/hr JK Environmental SP-300 crematorium (Emission Source S0006), which processes cadavers (Process 002). The flue gas from the crematorium exits through a dedicated stack, identified as Emission Point E0002.

Building(s): 1

Item 23.4:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-U0003
Emission Unit Description:
Emission Unit 0-U0003 consists of a 10.46 MM Btu/hr dual fuel fired boiler (Emission Source S0007) to replace the existing exempt low pressure steam boiler and an existing

exempt domestic hot water boiler. This new boiler will burn natural gas (Process NAT) as the primary fuel and #2 fuel oil (Process 2FO) as a secondary fuel. The flue gases from this new boiler exit through a stack, identified as Emission Point E0003.

Building(s): 1

Item 23.5:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-U0004
Emission Unit Description:

Emission Unit 0-U0004 consists of three 3.0 MM Btu/hr each dual fuel boilers (Emission Sources S0008, S0009 & S0010) burning #2 fuel oil (Process FO2) and natural gas (Process NG1), and one new 1500 KW emergency generator (Emission Source GEN01) burning #2 fuel oil (Process GEN) at the New Academic Building (NAB).
The flue gases from the three boilers (Emission Sources S0008, S0009 & S0010) exit through their individual stack, identified as Emission Points 0NAB1, 0NAB2 & 0NAB3; respectively.

The flue gases from the new 1500 KW emergency generator (Emission Source GEN01) exit through its individual stack, identified as Emission Point 0NAB4.

This new 1500 KW emergency generator (Emission Source GEN01) ia allowed to operate up to 500 hours annually.

Building(s): NAB

Item 23.6:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-U0005
Emission Unit Description:

Emission Unit 0-U0005 consists of four 750 KW each replacement emergency generators (Emission Sources GEN02, GEN03, GEN04 & GEN05) and a 2000 KW temporary generator (Emission Source TEMPG). Each of the

replacement standby stationary generator is a diesel 2013 Caterpollar Model C27, compression ignition rated at 750 KW (1,141 bHP), EPA Tier II emission level certified, and each is a four-cycle diesel engine. Process GN1 is the combustion of diesel fuel in these 4 replacement emergency engines (Emission Sources GEN02, GEN03, GEN04 & GEN05) and the 2000 KW temporary generator (Emission Source TEMPG). The flue gases from the four 750 KW each replacement generators (Emission Sources GEN02, GEN03, GEN04 & GEN05) exit through their individual stacks, identified as Emission Points 0GEN2, 0GEN3, 0GEN4 & 0GEN5; respectively. And the flue gases from the 2000 KW temporary generator (Emission Source TEMPG) exit through its own stack identified as Emission Point 0TEMP.

There will also be four (4) identical 275 gallon Day tanks located in the generator room and will be used for the four replacement generators. Each generator is a 4-stroke water-cooled diesel, each with a displacement of 27.03 liter, and with a compression ration of 16.5: 1.0.

All replacement generators meet the emission limitations found in 40 CFR 60 Subpart IIII. Each generator will be operated a maximum of 500 hours/yr.

The facility has submitted data for the four (4) identical replacement emergency generators. The gaseous emissions data measurements are consistent with those described in EPA 40 CFR Part 89 Subpart D, 40 CFR Part 60 Subpart IIII, and ISO 8178 for measuring HC, CO, PM, and NOx. Gaseous emissions values are weighted cycle averages and are in compliance with the non-road regulations. The maximum limits are as follows:

CO: 3.5 g/bKW-hr

NOx + HC: 6.4 g/bKW-hr

PM: 0.20 g/bKW-hr

Total Potential Emissions for the four (4) 750 KW (1,141 bHP) each generator (GEN02, GEN03, GEN04, and GEN05):

Pollutant	Emissions	Fuel Consumption @ 100% Load
NOx	5.25 g/HP-hr	202.9 L/hr or 53.6 gal/hr
CO	0.25 g/HP-hr	
HC	0.03 g/HP-hr	
PM	0.21 g/HP-hr	

Pollutant	Emissions	Emissions (lb/hr)
NOx	5.25 g/HP-hr	15.83
CO	0.25 g/HP-hr	
HC	0.03 g/HP-hr	0.12
PM	0.21 g/HP-hr	0.10

Emissions Power Category: 560 < KW < or = 2237

The four 750 KW 2013 Caterpillar each generator engines (Emission Sources GEN02, GEN03, GEN04 & GEN05) and the 2000 kw temporary generator in Emission Unit 0-U0005 are not subject to the Particulates emission limit of 0.10 pounds per million Btu stack testing when operating on # 2 distillate fuel oil (Process 2FT).

1 kw = 3,412 Btu/hr

2000 kw = 6,824,000 Btu/hr

750 kw x [(3412 Btu/hr) / (1 kw)] =
2,559,000 Btu/hr = 2.559 MM Btu/hr

4 generators x 2.559 MM Btu/hr/generator
= 10.236 MM Btu/hr

4 generators + temporary generator =
(10.236 + 6.824) MM Btu/hr = 17.06 MM
Btu/hr, which is < 50 MM Btu/hr

Building(s): PPUH

Item 23.7:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-U0006
Emission Unit Description:
Emission Unit 0-U0006 consists of an Anprolene AN74i ethylene oxide sterilization unit (Emission Source ETO01), which will be used to sterilize medical equipment. The sterilizer has an abator (Anptolene EtO Abator, Model AN5100), which is identified as Emission Control ETO1C, and is designed to remove 99% of the ethylene oxide from the exhaust of the sterilization unit (Process ETO). The facility anticipates using about one hundred (100) 17.5 gram ETO capsules per year. Each EtO capsule is 17.5 grams of 100% EtO.
Since the unit requires a twelve (12) hour cycle to use a single 17.5 gram EtO capsule; the unit has a fixed two hour purge time; the 100 capsules take a maximum of 200 hours per year to purge. The hourly emission limit is based on 100 capsules of 17.5 grams each over 200 hours per year, and not 8760 hrs/yr.

Emissions are exhausted through a stack identified as Emission Point 0ETO1.

Building(s): NAB

Item 23.8:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-U0007
Emission Unit Description:
Emission Unit 0-U0007 consists of five (5) identical boilers with a maximum heat input of 50 MM Btu/hr each. The boilers are identified as Emission Sources S0011, S0012, S0013, S0014 and S0015. The five (5) boilers are dual-fuel fired, operating on natural gas (Process NG7) and # 2 distillate fuel oil (Process 2F7).
The emissions from these five boilers are exhausted through the existing stack identified as Emission Point E0001.

The boilers are being installed to replace the five (5) 42 MM Btu/hr each boilers (Emission Sources S0001, S0002, S0003, S0004 & S0005) in Emission Unit 0-U0001. The boilers will be replaced in three phases as follow:

Phase 1: Anticipated November, 2015. Two (2) 50 MM Btu/hr each temporary boilers (Emission Sources TMPB1 & TMPB2) dual-fuel fired, operating on natural gas (Process NGT) and # 2 distillate fuel oil (Process 2FT) will be installed in Emission Unit 0-TEMP1.

Phase 2: Anticipated March, 2016. Two of the old 42 MM Btu/hr each boilers (Emission Sources S0001 & S0002) in Emission Unit 0-U0001 will be removed. Then, two (2) 50 MM Btu/hr each new boilers (Emission Sources S0011 & S0012) in Emission Unit 0-U0007 will be installed.

Phase 3: Anticipated December, 2016. The remaining three old 42 MM Btu/hr each boilers (Emission Sources S0003, S0004 & S0005) in Emission Unit 0-U0001 will be removed, and the final three 50 MM Btu/hr each boilers (Emission Sources S0013, S0014 & S0015) in Emission Unit 0-U0007 will be installed.

Final Phase: Anticipated April, 2017. Once the five (5) new 50 MM Btu/hr each boilers are installed, the two (2) temporary boilers (Emission Sources TMPB1 & TMPB2) in Emission Unit 0-TEMP1 will be removed.

Building(s): 1

Condition 24: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 201-6.2 (d) (3) (i)

Item 24.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0006 Emission Point: 0ETO1
Process: ETO Emission Source: ETO01

Emission Unit: 0-U0006 Emission Point: 0ETO1
Process: ETO Emission Source: ETO1C

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 24.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Ethylene Oxide (EtO) is listed as a persistent, bioaccumulative and toxic compound in Table 1 of Subpart 201-9. Therefore; the facility must include the EtO gas sterilization unit (a sterilizer and an abator) as a process in the Title V Permit, according to 6 NYCRR 201-6.2(d)(3)(i).

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 25: Progress Reports Due Semiannually
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (d) (4)

Item 25.1:
Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 26: Non Applicable requirements
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (g)

Item 26.1:
This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

6 NYCRR Subpart 231-2
Reason: With the addition of the three 3.0 MM Btu/hr dual fuel each boilers and the 1,500 kilowatt exempt emergency generator in the new Academic Building (Emission Unit 0-U0004), New Source Review, 6 NYCRR 231-2 is not applicable to this facility becasue Downstate Medical Center will keep maintaining the 225 tons/year cap on both NOx and SOx emissions.

New Source Review (NSR) does not apply since the proposed project emission potentials do not exceed the NSR significant project thresholds listed in 6 NYCRR 231-13. The replacement of # 6 residual fuel oil with # 2 ultra low distillate fuel oil (0.0015 percent by weight Sulfur) will result in a decrease of NOx and SO2 emissions potentials as well as actual emissions. Therefore, the project emission potentials (PEP) from the project for these emissions are zero (0).

However; it should be noted that the project emission potential (PEP) for CO emissions will increase by approximately 16 tons due to the boiler replacement and the new emergency generator, however; the increase is below the 100 ton NSR threshold and therefore will not trigger NSR. Furthermore, the NOx and SOx cappings limit the CO to below the 100 ton Title V threshold and therefore, no CO emission limit is needed (required).

40 CFR 52.21 (j)
Reason: With the addition of the three 3.0 MM Btu/hr dual fuel each boilers and the 1,500 kilowatt exempt emergency generator in the new Academic Building (Emission Unit 0-U0004), Prevention of Significant Deterioration (PSD), 40 CFR 52.21(j) is not applicable to this facility becasue Downstate Medical Center will keep maintaining the 225 tons/year cap on both NOx and SOx emissions.

The replacement of # 6 residual fuel oil with # 2 ultra

low distillate fuel oil (0.0015 percent bt weight Sulfur) will result in a decrease of NOx and SO2 emissions potentials as well as actual emissions. Therefore, the project emission potentials (PEP) from the project for these emissions are zero (0).

Condition 27: Facility Permissible Emissions
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 27.1:
The sum of emissions from the emission units specified in this permit shall not equal or exceed the following
Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 007446-09-5 PTE: 127,345 pounds per year
Name: SULFUR DIOXIDE

CAS No: 0NY210-00-0 PTE: 913,082 pounds per year
Name: OXIDES OF NITROGEN

Condition 28: Capping Monitoring Condition
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 28.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR 227-2.4 (c) (1) (ii)
6 NYCRR 227-2.5 (a)

Item 28.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 28.3:
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 28.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 28.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 28.6:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0001 Emission Point: E0001
Process: OIL Emission Source: S0001

Emission Unit: 0-U0001 Emission Point: E0001
Process: OIL Emission Source: S0002

Emission Unit: 0-U0001 Emission Point: E0001
Process: OIL Emission Source: S0003

Emission Unit: 0-U0001 Emission Point: E0001
Process: OIL Emission Source: S0004

Emission Unit: 0-U0001 Emission Point: E0001
Process: OIL Emission Source: S0005

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

Item 28.7:
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
The main five (5) boilers (Emission Sources S0001, S0002, S0003, S0004 & S0005 in Emission Unit 0-U0001) are limited to burning #6 fuel oil a maximum of 4,900 hours per year, none of which can be during the maximum ozone season (May 1 - September 30) according to 6 NYCRR 227-2.5 (a).

Work Practice Type: HOURS PER YEAR OPERATION
Upper Permit Limit: 4900 hours
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 29: Capping Monitoring Condition
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 29.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-2

Item 29.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 29.3:
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 29.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 29.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 29.6:
The Compliance Certification activity will be performed for the Facility.

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

Item 29.7:
Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

SUNY Downstate has elected to accept caps to restrict the facility's emissions under the maximum equipment potential levels. Specifically, SUNY Downstate has elected to restrict emissions of NOx to 225 tons per year.

SUNY Downstate is proposing to accept a cap on the NOx emissions to 225 tpy or less. The following formula will be used to calculate the facility's monthly NOx emissions, and to demonstrate compliance with this cap on a rolling 12-month basis where the individual monthly NOx emissions will be determined from the following equation:

X = [(A x B) + (C x D) + (E x F) + (G x H) + (I x J) + (K x L) + (M x N) + (O x P) + (Q x R)] / 2,000

where:

X = Monthly facility NOx emissions (tons);
A = the monthly consumption of #6 fuel oil (1,000 gallons);
B = 75 lbs NOx / 1,000 gallons burned (or following DEC's DAR-6 guidance where fuel oil nitrogen content is known);
C = the monthly total boiler consunption of #4 fuel oil and # 2 fuel oil (1,000 gallons);
D = 20 lbs NOx / 1,000 gallons burned (based on EPA's AP-42 emission factor);
E = the Power Plant boiler consumption of natural gas (million cubic feet);
F = 32 lbs NOx / million cubic feet burned (based on EPA's AP-42 emission factor for units with low NOx burners and flue gas recirculation);
G = the remaining campus boiler or hot water heater consumption of natural gas (million cubic feet);
H = 2,345 lbs NOx / million cubic feet burned (based on EPA's AP-42 emission factor);
I = the emergency generator consumption of natural gas (million cubic feet);
J = 2,345 lbs NOx / million cubic feet burned (based on EPA's AP-42 emission factor);
K = the large (>600 hp) diesel emergency generator consumption of diesel (1,000 gallons);
L = 441.6 lbs NOx / 1,000 gallons burned (based on EPA's AP-42 emission factor);
M = the small (<600 hp) diesel emergency generator consumption of diesel (1,000 gallons);
N = 608.6 lbs NOx / 1,000 gallons burned (based on EPA's AP-42 emission factor);

O = the crematory cadaver process weight (pounds);

P = 3.16 lbs NOx / pounds processed (based on EPA's FIRE emission factor);
Q = S0007 (10.46 MMBtu/hr), S0008, S0009 & S0010 (3 MM Btu/hr each) boiler consumption of natural gas (million cubic feet); and
R = 100 lbs NOx / million cubic feet burned (based on EPA's AP-42 emission factor).

A rolling 12-month tally will be maintained to ensure compliance with the 225 tpy limit.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 225 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 30: Capping Monitoring Condition
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 30.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR 52.21 (j)

Item 30.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 30.3:
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 30.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an

applicable requirement.

Item 30.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 30.6:
The Compliance Certification activity will be performed for the Facility.

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

Item 30.7:
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
SUNY Downstate has elected to accept caps to restrict the facility's emissions under the maximum equipment potential levels. Specifically, SUNY Downstate has elected to restrict emissions of SO2 to 225 tpy.

SUNY Downstate is proposing to accept a cap on SO2 emissions to 225 tpy or less. The following formula will be used to calculate the facility's monthly SO2 emissions, and to demonstrate compliance with this cap on a rolling 12-month basis where the individual monthly SO2 emissions will be determined from the following equation:

$$Y=[(A \times B) + (C \times D) + (E \times F) + (G \times H) + (I \times J) + (K \times L)] / 2,000$$

where
Y = Monthly facility SO2 emissions;
A = the monthly consumption of number 6 and number 4 fuel oil (1,000 gallons);
B = 157 x S lbs SO2 / 1,000 gallons burned (based on EPA's AP-42 emission factor where S is the sulfur content of the fuel oil in percent);
C = the campus consumption of natural gas in all types of units (million cubic feet);
D = 0.6 lbs SO2 / million cubic feet burned (based on EPA's AP-42 emission factors);
E = the large (>600 hp) diesel emergency generator consumption of diesel (1,000 gallons);
F = 0.21 lbs SO2 / 1,000 gallons burned (based on EPA's AP-42 emission factors);
G = the small (<600 hp) diesel emergency generator consumption of diesel (1,000 gallons);

H = 40 lbs SO2 / 1,000 gallons burned (based on EPA's AP-42 emission factors);
I = the crematory cadaver process weight (pounds);
J = 3.23 lbs SOx / pounds processed (based on EPA's FIRE emission factor);
K = the monthly consumption of #2 fuel oil (1,000 gallons); and
L = 142 x S lbs SO2 /1,000 gallons burned (based on EPA's AP-42 emission factor where S is the sulfur content of the fuel oil in percent).

A rolling 12-month tally will be maintained to ensure compliance with the 225 tpy limit.

Parameter Monitored: SULFUR DIOXIDE
Upper Permit Limit: 225 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 31: Air pollution prohibited
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 211.1

Item 31.1:
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 32: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 212.2

Item 32.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0006 Emission Point: 0ETO1
Process: ETO Emission Source: ETO01

Emission Unit: 0-U0006 Emission Point: 0ETO1
Process: ETO Emission Source: ETO1C

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 32.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

The 2.38 cubic feet ETO sterilizer (Emission Source ETO01) will be limited to 0.000193 lb ETO/hr. The sterilizer is operated at a maximum of twice a day, five (5) days a week, and 52 weeks a year.

The Anprolene EtO sterilizer system utilizes a 17.5 grams EtO capsule, which is 100% EtO to sterilize the medical and surgical utensiles and equipments. The length of the cycle is 12 hours, but the release rate (purge) is two hours for the sterilizer. The sterilizer is connected to the Anprolene EtO abator, which is designed to remove 99% of the ethylene oxide from the exhaust of the sterilization abatement system.

Compliance of the EtO gas emissions from the sterilizer to the atmosphere with the limit of 0.000193 pounds per hour in Emission Point 0ETO1 and Emission Unit 0-U0006 is to be verified with a stack test once during the term of the permit.

Each sterilization cycle is 12 hours, and there are 2 cycles per day.

Each ETO sterilization cycle is 12 hours, and each cycle uses 17.5 grams. The limit is 100 capsules/year based on

2 capsules/day maximum operation. Since the unit has a fixed two hour purge time, the 100 capsules take a maximum of 200 hours per year to purge. Therefore, the hourly emission limit is based on 100 capsules of 17.5 grams each over 200 hours per year, and not 8760 hrs/yr. The controlled hourly emission rate, PTE for the 100 capsules over 200 hours (or 1 capsule over 2 hours) is 0.000193 lbs/ETO/hr, controlled.

ERP EtO Emissions:

17.5 grams/cycle x 1 lb/454 grams x 1 cycle/ 2 hrs = 0.0193 lb/hr

17.5 grams/cycle x 1 lb/454 grams x 1 cycle/2 hrs x

200 hrs/yr = 3.855 lbs/yr of EtO

PTE EtO Emissions:

17.5 grams/cycle x 1 lb/454 grams x 1 cycle/ 2 hrs x (100 - 99)/100 = 0.000193 lb/hr

17.5 grams/cycle x 1 lb/454 grams x 1 cycle/ 2 hrs x (100 - 99)/100 x 200 hrs/yr = 0.0386 lbs/yr of EtO

Actual EtO Emissions:

17.5 grams/capsule x 100 capsules/yr x 1 lb/454 grams x (100 - 99)/100 x 1 yr/200 hrs = 0.000193 lbs/hr of EtO

17.5 grams/capsule x 100 capsules/yr x 1 lb/454 grams x (100 - 99)/100 = 0.0386 lbs/yr of EtO

See related Condition # 2-5.

Manufacturer Name/Model Number: Anprolene Model AN74i
Parameter Monitored: ETHYLENE OXIDE
Upper Permit Limit: 0.000193 pounds per hour
Reference Test Method: EPA Approved Method
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 33: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 212.2

Item 33.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0006 Emission Point: 0ETO1
Process: ETO Emission Source: ETO01

Emission Unit: 0-U0006 Emission Point: 0ETO1
Process: ETO Emission Source: ETO1C

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 33.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

EtO Sterilizer will be operated twice a day, five days a week, and 52 weeks a year.

The facility anticipates using about one hundred (100) EtO capsules per year. Each EtO capsule is 17.5 grams of 100% EtO.

This condition specifies the determination of environmental rating. When an application is made for a permit to construct or for a certificate to operate for a process emission source, the commissioner will issue an environmental rating for each air contaminant from each emission point in accordance with Table 1 of 6 NYCRR 212.2.

Ethylene oxide is listed in Table II of Air Guide 1 as a high toxicity air contaminant due to the high potential for causing adverse effects or receptors of the environment as a result of exposure. As such, according to the criteria of Table 1 of 6 NYCRR 212.2, an "A" environmental rating is assigned. Therefore, the owner or the operator of the affected facility must control ethylene oxide emissions to achieve 99% contaminant capture. This is usually achieved by the installation and use of an abator (Emission Control ETO1C- An Anprolene EtO Abator, Model AN5100), which is designed to remove 99% of the ethylene oxide from the sterilization unit.

Compliance with BACT is achieved when:

1. The Ethylene Oxide emission shall not exceed 0.000193 pounds per hour, or

2. The degree of air cleaning for Ethylene Oxide is at least 96%.

See related Condition # 2-4.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: ETHYLENE OXIDE
Manufacturer Name/Model Number: Anprolene Model AN74i
Parameter Monitored: ETHYLENE OXIDE
Lower Permit Limit: 99 percent
Reference Test Method: EPA Approved Method
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 34: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 212.3 (a)

Item 34.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0006 Emission Point: 0ETO1
Process: ETO Emission Source: ETO01

Emission Unit: 0-U0006 Emission Point: 0ETO1
Process: ETO Emission Source: ETO1C

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 34.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
EtO sterilization - abator operation required during sterilization. The EtO abator must be in operation whenever EtO sterilization is conducted. No person will cause or allow emissions that violate the requirement specified in Table 2, 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the Commissioner. Either 99% or greater air cleaning or BACT (Best Available Control Technology) is required for EtO emissions from this source (sterilizer).

Downstate Medical Center has chosen BACT as the method of controlling the EtO emissions from the EtO sterilizer by having an abator (Anprolene EtO Abator, Model AN5100) which removes 99% EtO from the exhaust of the sterilization unit, which is identified as Emission Control ETO1C in Emission Unit 0-U0006.

The new ethylene oxide sterilizer (Emission Source ETO01) has a built in aerator and is equipped with an abator (Emission Control ETO1C), which controls the EtO emission to a maximum of 0.000193 pounds per hour in Emission Point 0ETO1 and Emission Unit 0-U0006. The EtO gas emissions from the sterilizer is exhausted through the abator after

being reduced to 0.000193 lb/hr with the control of the abator and then through a dedicated stack which is identified as Emission Point 0ETO1 in Emission Unit 0-U0006 and then, the EtO gas emissions are discharged out to the atmosphere.

Compliance of the EtO gas emissions from the sterilizer to the atmosphere with the limit of 0.000193 pounds per hour in Emission Point 0ETO1 in Emission Unit 0-U0006 is to be verified with a stack test once during the term of the permit.

The facility anticipates using about one hundred (100) capsules per year.

The controlled hourly emission rate, PTE for the 100 capsules over 200 hours (or 1 capsule over 2 hours), and the abator removes 99% of the EtO from the exhaust of the sterilization unit (Process ETO), then the Actual Emission is 0.000193 lbs/hr, and 0.03855 lbs/yr of EtO. Emissions are exhausted through a stack identified as Emission Point 0ETO1.

8,760 hr/yr x 12 hrs/cycle = 730 cycles/yr or 730 cycles/yr x 1 capsule/cycle = 730 capsules/yr

17.5 grams/capsule x 100 capsules/yr x 1 lb/454 grams x (100 - 99)/100 x 1 yr/200 hrs = 0.000193 lbs/hr of EtO

17.5 grams/capsule x 1capsules/ 2 hrs x 1 lb/454 grams x (100 - 99)/100 x 200 hrs/yr = 0.03855 lbs/yr of EtO

Manufacturer Name/Model Number: Anprolene Model AN74i
Parameter Monitored: ETHYLENE OXIDE
Upper Permit Limit: 0.000193 pounds per hour
Reference Test Method: 40 CFR Part 60, Method 18
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 35: Compliance Certification

Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 35.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0006	Emission Point: 0ETO1
Process: ETO	Emission Source: ETO01
Emission Unit: 0-U0006	Emission Point: 0ETO1
Process: ETO	Emission Source: ETO1C

Item 35.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. 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 immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with section 212.6 (a) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify the Department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the Department and the semiannual progress

report and annual compliance certifications required of all permittees subject to Title V must include a summary of these instances.

Manufacturer Name/Model Number: Anprolene Model AN74i
Reference Test Method: Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 36: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 212.9 (b)

Item 36.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0006 Emission Point: 0ETO1
Process: ETO Emission Source: ETO01

Emission Unit: 0-U0006 Emission Point: 0ETO1
Process: ETO Emission Source: ETO1C

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 36.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The ETO abator (Anprolene EtO Abator, Model AN5100) must be in operation whenever EtO sterilization is conducted. The emission control (abator) removes 99% EtO from the exhaust of the sterilization unit. The operation of the ethylene oxide abator is monitored for compliance in accordance with manufacturer's instructions. The owner/operator shall maintain a log containing the following information:

1. The date and the number of sterilization loads.

2. The quantity of sterilization gas used in pounds per hour, per day and per year.

3. The date and time of sterilizer and/or abator

malfunctions and maintenance.

4. Records are to be maintained on site for a period of five (5) years.

Manufacturer Name/Model Number: Anprolene Model AN74i
Reference Test Method: Keep Records
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 37: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 225-1.2 (f)

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:

Owners and/or operators of commercial, industrial, or residential emission sources that fire number two heating oil on or after July 1, 2012 are limited to the purchase of number two heating oil with 0.0015 percent sulfur by weight or less. Compliance with this limit will be based on vendor certifications.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: NUMBER 2 HEATING OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.0015 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 38: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 225-1.2 (g)

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: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Owners and/or operators of a stationary combustion installation that fires distillate oil other than number two heating oil are limited to the purchase of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2014. Compliance with this limit will be based on vendor certifications.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.0015 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 39: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 225-1.2 (h)

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: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Owners and/or operators of a stationary combustion installations that fire distillate oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016. Compliance with this limit will be based on vendor certifications.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.0015 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 40: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 225-1.6

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

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

Item 40.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
§225-1.6 Reports, sampling, and analysis.

(a) The department will require fuel analyses, information on the quantity of fuel received, fired or sold, and results of stack sampling, stack monitoring, and other procedures to ensure compliance with the provisions of this Subpart.

(b) (1) Any person who sells oil and/or coal must retain, for at least five years, records containing the following information:

(i) fuel analyses and data on the quantities of all oil and coal received; and

(ii) the names of all purchasers, fuel analyses, and data on the quantities of all oil and coal sold.

(2) Such fuel analyses must contain, as a minimum:

(i) data on the sulfur content, ash content, specific gravity, and heating value of residual oil;

(ii) data on the sulfur content, specific gravity, and heating value of distillate oil; and

(iii) data on the sulfur content, ash content, and heating value of coal.

(c) Sampling, compositing, and analysis of fuel samples must be done in accordance with methods acceptable to the department.

(d) Facility owners or fuel distributors required to maintain and retain records pursuant to this Subpart must make such records available for inspection by the department.

(e) Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the department, and must be retained for at least five years. The owner of a Title V facility must furnish to the department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the department.

(f) Facility owners subject to this Subpart must submit a written report of the fuel sulfur content exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable equivalent emission rate, and the nature and cause of such exceedances if known, for each calendar quarter, within 30 days after the end of any quarterly period in which an exceedances takes place.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 41: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 41.1:
The Compliance Certification activity will be performed for the Facility.

Item 41.2:
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-six-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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 42: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 42.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-TEMP1	Emission Point: TMPBL
Process: 2FT	Emission Source: TMPB1
Emission Unit: 0-TEMP1	Emission Point: TMPBL
Process: 2FT	Emission Source: TMPB2
Emission Unit: 0-TEMP1	Emission Point: TMPBL
Process: NGT	Emission Source: TMPB1
Emission Unit: 0-TEMP1	Emission Point: TMPBL
Process: NGT	Emission Source: TMPB2
Emission Unit: 0-U0007	Emission Point: E0007
Process: 2F7	Emission Source: S0011
Emission Unit: 0-U0007	Emission Point: E0007
Process: 2F7	Emission Source: S0012
Emission Unit: 0-U0007	Emission Point: E0007
Process: 2F7	Emission Source: S0013
Emission Unit: 0-U0007	Emission Point: E0007
Process: 2F7	Emission Source: S0014
Emission Unit: 0-U0007	Emission Point: E0007
Process: 2F7	Emission Source: S0015
Emission Unit: 0-U0007	Emission Point: E0007
Process: NG7	Emission Source: S0011
Emission Unit: 0-U0007	Emission Point: E0007

Process: NG7 Emission Source: S0012

Emission Unit: 0-U0007 Emission Point: E0007
Process: NG7 Emission Source: S0013

Emission Unit: 0-U0007 Emission Point: E0007
Process: NG7 Emission Source: S0014

Emission Unit: 0-U0007 Emission Point: E0007
Process: NG7 Emission Source: S0015

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

Item 42.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

Downstate Medical Center is required to perform testing all of the new constructed mid-size boilers in Emission Units 0-U0007 and 0-TEMP1, that includes the five 50 MM Btu/hr each replacement boilers and the two 50 MM Btu/hr temporary boilers (if they still exist at the facility by the end of the 5-year term of this renewal #3), to verify the NOx emission limit compliance. A mid-size boiler is a boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour. All boilers operate on natural gas and on #2 fuel oil.

This condition applies to distillate oil/gas fired mid-size boilers beginning July 1, 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.

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.

On or after July 1, 2014, the owner/operator of mid-size boilers (> 25 and equal to or <100 MM Btu/hr) boilers operating on distillate oil/natural gas have a new limit of 0.08 pounds of NOx per million Btus under the NOx RACT plan for mid-size boilers.

Emission test requirements: The owner/operator of a source required to conduct an emission test under subdivision (c) of 6 NYCRR 227-2.6 must:

1. Submit a compliance test protocol to the Department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and

2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the Department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and must follow the procedures set forth in Part 202 of this Title.

i. For mid-size boilers (> 25 and equal to or <100 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the Department.

3. Submit a compliance test report containing the results of the emission test to the Department no later than 60 days after the completion of the emission test.

This condition applies to the mid-size boilers in Emission Units 0-U0007 (Emission Sources S0011, S0012, S0013, S0014 & S0015) and 0-TEMP1 (Emission Sources TMPB1 & TMPB2), that includes the five 50 MM Btu/hr each replacement boilers and the two 50 MM Btu/hr temporary boilers (if they still exist at the facility by the end of the 5-year term of this renewal #3), to verify the NOx emission limit compliance.

2014 NOx RACT rule Plan - Fuel Switching Compliance Option:

A facility that recently has been firing # 6 fuel oil/gas can opt to switch to #2 fuel oil/gas and still will require to meet the new NOx emission limit of # 6 fuel oil/gas only and not the new # 2 fuel oil/gas emission limit, even though they will be firing #2 fuel oil, which is a cleaner fuel and it is their option to burn. For example, a mid-size boiler that recently has been firing #6 fuel oil/gas will require to meet 0.2 lbs/MM Btus upon switching to # 2 fuel oil/gas and not the 0.08 lb/MM Btus which is for the #2 fuel oil. But, the fuel switching compliance option does not apply to a newly installed new boiler, it only applies to existing boilers that switch to a cleaner fuel such as switching from #6 fuel oil to #2

fuel oil, and Emission Sources S0011, S0012, S0013, S0014 & S0015 and 0-TEMP1 TMPB1 & TMPB2 are all newly installed new boilers.

Compliance with the 0.08 lbs/MM Btus emission limit shall be determined with a one hour average in accordance with section 227-2.6 (a) (3) (i) of this Subpart unless the owner/operator opts to utilize CEMS under the provisions of section 227-2.6 (a) (3) (ii) of this Subpart. If CEMS are utilized, the requirements of section 227-2.6 (b) of this Subpart apply, including the use of a 24 hour averaging period.

See related Condition # 46 for 6 NYCRR 227-2.5 (a).

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.08 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: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 2/29/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 43: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 43.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0001	Emission Point: E0001
Process: GAS	Emission Source: S0001
Emission Unit: 0-U0001	Emission Point: E0001
Process: GAS	Emission Source: S0002
Emission Unit: 0-U0001	Emission Point: E0001
Process: GAS	Emission Source: S0003
Emission Unit: 0-U0001	Emission Point: E0001
Process: GAS	Emission Source: S0004
Emission Unit: 0-U0001	Emission Point: E0001
Process: GAS	Emission Source: S0005
Emission Unit: 0-U0001	Emission Point: E0001
Process: OIL	Emission Source: S0001

Emission Unit: 0-U0001 Emission Point: E0001
Process: OIL Emission Source: S0002

Emission Unit: 0-U0001 Emission Point: E0001
Process: OIL Emission Source: S0003

Emission Unit: 0-U0001 Emission Point: E0001
Process: OIL Emission Source: S0004

Emission Unit: 0-U0001 Emission Point: E0001
Process: OIL Emission Source: S0005

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

Item 43.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

Downstate Medical Center is required to perform testing the five 42 MM Btu/hr each mid-size boilers in Emission Units 0-U0001 that includes the four 42 MM Btu/hr each boilers (Emission Sources S0001, S0002, S0003, S0004 & S0005) if they still exist at the facility by the end of the 5-year term of this renewal #3, to verify the NOx emission limit compliance. A mid-size boiler is a boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour. All boilers operate on natural gas and on #2 fuel oil.

This condition applies to distillate oil/gas fired mid-size boilers beginning July 1, 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.

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.

On or after July 1, 2014, the owner/operator of mid-size boilers (> 25 and equal to or <100 MM Btu/hr) boilers operating on distillate oil/natural gas have a new limit of 0.08 pounds of NOx per million Btus under the NOx RACT

plan for mid-size boilers.

Emission test requirements: The owner/operator of a source required to conduct an emission test under subdivision (c) of 6 NYCRR 227-2.6 must:

1. Submit a compliance test protocol to the Department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and

2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the Department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and must follow the procedures set forth in Part 202 of this Title.

i. For mid-size boilers (> 25 and equal to or <100 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the Department.

3. Submit a compliance test report containing the results of the emission test to the Department no later than 60 days after the completion of the emission test.

This condition applies only to the five 42 MM Btu/hr each mid-size boilers in Emission Units 0-U0001 (Emission Sources S0001, S0002, S0003, S0004 & S0005) if they still exist at the facility by the end of the 5-year term of this renewal #3, to verify the NOx emission limit compliance.

2014 NOx RACT rule Plan - Fuel Switching Compliance Option:

A facility that recently has been firing # 6 fuel oil/gas can opt to switch to #2 fuel oil/gas and still will require to meet the new NOx emission limit of # 6 fuel oil/gas only and not the new # 2 fuel oil/gas emission limit, even though they will be firing #2 fuel oil, which is a cleaner fuel and it is their option to burn. For example, a mid-size boiler that recently has been firing #6 fuel oil/gas will require to meet 0.2 lbs/MM Btus upon switching to # 2 fuel oil/gas and not the 0.08 lb/MM Btus which is for the #2 fuel oil.

Compliance with the 0.20 lbs/MM Btus emission limit shall be determined with a one hour average in accordance with

section 227-2.6 (a) (3) (i) of this Subpart unless the owner/operator opts to utilize CEMS under the provisions of section 227-2.6 (a) (3) (ii) of this Subpart. If CEMS are utilized, the requirements of section 227-2.6 (b) of this Subpart apply, including the use of a 24 hour averaging period.

See related Condition # 47 for 6 NYCRR 227-2.5 (a).

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: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 2/29/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 44: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 44.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004 Emission Point: 0NAB1
Process: FO2 Emission Source: S0008

Emission Unit: 0-U0004 Emission Point: 0NAB2
Process: FO2 Emission Source: S0009

Emission Unit: 0-U0004 Emission Point: 0NAB3
Process: FO2 Emission Source: S0010

Emission Unit: 0-U0004 Emission Point: 0NAB1
Process: NG1 Emission Source: S0008

Emission Unit: 0-U0004 Emission Point: 0NAB2
Process: NG1 Emission Source: S0009

Emission Unit: 0-U0004 Emission Point: 0NAB3
Process: NG1 Emission Source: S0010

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

Item 44.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of a small boiler (a boiler with a maximum heat input capacity equal to or greater than one million Btu per hour and equal to or less than 25 million Btu per hour) or a small combustion turbine or a small stationary internal combustion engine must annually perform a tune-up of their equipment and maintain the data in a permanently bound log book containing the following information:

a. Date of last tune-up,

b. Name, Title and affiliation of person making adjustments, and

c. Any other information that the Department may require.

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.

A small boiler is defined as a boiler with a maximum heat input capacity equal to or greater than one million Btu per hour and equal to or less than 25 million Btu per hour.

This condition applies to the three 3 MM Btus/hr Fulton each boilers (Emission Sources S0008, S0009 & S0010) in Emission Unit 0-U0004 operating on natural gas (Process NG1) and distillate fuel oil (Process FO2).

Reference Test Method: DAR-5
Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 45: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 45.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0003 Emission Point: E0003

Process: 2FO Emission Source: S0007

Emission Unit: 0-U0003 Emission Point: E0003
Process: NAT Emission Source: S0007

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

Item 45.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of a small boiler or a small combustion turbine or a small stationary internal combustion engine must annually perform a tune-up of their equipment and maintain the data in a permanently bound log book containing the following information:

a. Date of last tune-up,

b. Name, Title and affiliation of person making adjustments, and

c. Any other information that the Department may require.

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.

A small boiler is defined as a boiler with a maximum heat input capacity equal to or greater than one million Btu per hour and equal to or less than 25 million Btu per hour.

This condition applies to the 10.461 MM Btu/hr Easco Boiler Corp. boiler (Emission Source S0007) in Emission Unit 0-U0003 operating on natural gas (Process NAT) and distillate fuel oil (Process 2FO).

Reference Test Method: DAR-5
Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 46: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 227-2.5 (a)

Item 46.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-TEMP1 Emission Point: TMPBL
Process: 2FT Emission Source: TMPB1

Emission Unit: 0-TEMP1 Emission Point: TMPBL
Process: 2FT Emission Source: TMPB2

Emission Unit: 0-TEMP1 Emission Point: TMPBL
Process: NGT Emission Source: TMPB1

Emission Unit: 0-TEMP1 Emission Point: TMPBL
Process: NGT Emission Source: TMPB2

Emission Unit: 0-U0007 Emission Point: E0007
Process: 2F7 Emission Source: S0011

Emission Unit: 0-U0007 Emission Point: E0007
Process: 2F7 Emission Source: S0012

Emission Unit: 0-U0007 Emission Point: E0007
Process: 2F7 Emission Source: S0013

Emission Unit: 0-U0007 Emission Point: E0007
Process: 2F7 Emission Source: S0014

Emission Unit: 0-U0007 Emission Point: E0007
Process: 2F7 Emission Source: S0015

Emission Unit: 0-U0007 Emission Point: E0007
Process: NG7 Emission Source: S0011

Emission Unit: 0-U0007 Emission Point: E0007
Process: NG7 Emission Source: S0012

Emission Unit: 0-U0007 Emission Point: E0007
Process: NG7 Emission Source: S0013

Emission Unit: 0-U0007 Emission Point: E0007
Process: NG7 Emission Source: S0014

Emission Unit: 0-U0007 Emission Point: E0007
Process: NG7 Emission Source: S0015

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

Item 46.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator of a mid-size noiler must comply with the relevant presunptive RACT emission limit of 0.08 pounds per million BTUs beginning July 1, 2014 for mid-size boilers operating on natural gas/#2 distillate fuel oil.

A mid-size boiler is a boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour.

To meet this limitation, the facility has elected to use the Fuel Switching Option: The owner or operator of an emission source subject to this Subpart may commit to burning cleaner fuel between May 1st and September 30th of each year. Fuel switching must result in quantifiable annual NOx emissions equal to or less than the NOx emissions expected if the emission source complied with the presumptive RACT emission limit of 0.20 lb/MM Btu as set forth in 6 NYCRR 227-2.4 (c) (1) (ii).

In order to comply with the NOx RACT, the facility will be operated in accordance with the fuel switching option found in 6 NYCRR 227-2.5 (a). The facility will only burn natural gas (Process NG7 & NGT) during the period of May 1st to September 30th. Therefore, the facility meets the RACT emission limit of 0.08 lbs NOx/MM Btu as stated in 6 NYCRR 227-2.4 (c)(1)(ii), by taking the annual average of NOx emissions per MM Btu.

This condition applies to all new mid-size boilers (Emission Sources S0011, S0012, S0013, S0014 & S0015) in Emission Units 0-U0007 and Emission Sources TMPB1 & TMPB2 in Emission Unit 0-TEMP1.

The 0.20 lbs/MM Btu NOx emission limit does not apply to new installed boilers.

This condition applies only to new installed 50 MM Btu/hr each mid-size boilers (Emission Sources S0011, S0012, S0013, S0014 & S0015 in Emission Unit 0-U0007) and Emission Sources TMPB1 & TMPB2 in Emission Unit 0-TEMP1.

2014 NOx RACT rule Plan - Fuel Switching Compliance Option:

A facility that recently has been firing # 6 fuel oil/gas

can opt to switch to #2 fuel oil/gas and still will require to meet the new NOx emission limit of # 6 fuel oil/gas only and not the new # 2 fuel oil/gas emission limit, even though they will be firing #2 fuel oil, which is a cleaner fuel and it is their option to burn. For example, a mid-size boiler that recently has been firing #6 fuel oil/gas will require to meet 0.2 lbs/MM Btus upon switching to # 2 fuel oil/gas and not the 0.08 lb/MM Btus which is for the #2 fuel oil. But, the fuel switching compliance option does not apply to a newly installed new boiler, it only applies to existing boilers that switch to a cleaner fuel such as switching from #6 fuel oil to #2 fuel oil, and Emission Sources S0011, S0012, S0013, S0014 & S0015 and 0-TEMP1 TMPB1 & TMPB2 are all newly installed new boilers.

See related Condition #42 for 6 NYCRR 227-2.4 (c) (1)(ii).

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.08 pounds per million Btus
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: CALENDAR YEAR AVERAGE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 47: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 227-2.5 (a)

Item 47.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0001 Emission Point: E0001
Process: GAS Emission Source: S0001

Emission Unit: 0-U0001 Emission Point: E0001
Process: GAS Emission Source: S0002

Emission Unit: 0-U0001 Emission Point: E0001
Process: GAS Emission Source: S0003

Emission Unit: 0-U0001 Emission Point: E0001
Process: GAS Emission Source: S0004

Emission Unit: 0-U0001 Emission Point: E0001
Process: GAS Emission Source: S0005

Emission Unit: 0-U0001 Emission Point: E0001
Process: OIL Emission Source: S0001

Emission Unit: 0-U0001 Emission Point: E0001
Process: OIL Emission Source: S0002

Emission Unit: 0-U0001 Emission Point: E0001
Process: OIL Emission Source: S0003

Emission Unit: 0-U0001 Emission Point: E0001
Process: OIL Emission Source: S0004

Emission Unit: 0-U0001 Emission Point: E0001
Process: OIL Emission Source: S0005

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

Item 47.2:
Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator of a mid-size noiler must comply with the relevant presunptive RACT emission limit of 0.08 pounds per million BTUs beginning July 1, 2014 for mid-size boilers operating on natural gas/#2 distillate fuel oil.

To meet this limitation, the facility has elected to use the Fuel Switching Option: The owner or operator of an emission source subject to this Subpart may commit to burning cleaner fuel between May 1st and September 30th of each year. Fuel switching must result in quantifiable annual NOx emissions equal to or less than the NOx emissions expected if the emission source complied with the presumptive RACT emission limit of 0.20 lb/MM Btu as set forth in 6 NYCRR 227-2.4 (c) (1) (ii).

In order to comply with the NOx RACT, the facility will be operated in accordance with the fuel switching option found in 6 NYCRR 227-2.5 (a). The facility will only burn natural gas (Process GAS) during the period of May 1st to September 30th. Therefore, the facility meets the RACT emission limit of 0.20 lbs NOx/MM Btu as stated in 6 NYCRR 227-2.4 (c)(1)(ii) for mid-size boilers, by taking the annual average of NOx emissions per MM Btu.

A mid-size boiler is a boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to

or less than 100 million Btu per hour.

The 0.20 lbs/MM Btu NOx emission limit does not apply to new installed boilers. This condition applies only to existing 42 MM Btu/hr each mid-size boilers (Emission Sources S0001, S0002, S0003, S0004 & S0005 in Emission Unit 0-U0001) that switched from firing # 6 residual fuel oil to #2 distillate fuel oil.

2014 NOx RACT rule Plan - Fuel Switching Compliance Option:

A facility that recently has been firing # 6 fuel oil/gas can opt to switch to #2 fuel oil/gas and still will require to meet the new NOx emission limit of # 6 fuel oil/gas only and not the new # 2 fuel oil/gas emission limit, even though they will be firing #2 fuel oil, which is a cleaner fuel and it is their option to burn. For example, a mid-size boiler that recently has been firing #6 fuel oil/gas will require to meet 0.2 lbs/MM Btus upon switching to # 2 fuel oil/gas and not the 0.08 lb/MM Btus which is for the #2 fuel oil. The fuel switching compliance option applies to existing boilers that switch to a cleaner fuel such as switching from #6 fuel oil to #2 fuel oil, and Emission Sources S0001, S0002, S0003, S0004 & S0005 are all existing boilers.

See related Condition # 43 for 6 NYCRR 227-2.4 (c) (1) (ii).

Process Material: NUMBER 6 OIL
Parameter Monitored: NITROGEN CONTENT
Upper Permit Limit: 0.20 pounds per million Btus
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: CALENDAR YEAR AVERAGE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 48: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 48.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0007 Emission Point: E0007
Process: 2F7 Emission Source: S0011

Emission Unit: 0-U0007 Emission Point: E0007
Process: 2F7 Emission Source: S0012

Emission Unit: 0-U0007 Emission Point: E0007
Process: 2F7 Emission Source: S0013

Emission Unit: 0-U0007 Emission Point: E0007
Process: 2F7 Emission Source: S0014

Emission Unit: 0-U0007 Emission Point: E0007
Process: 2F7 Emission Source: S0015

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:

The two hour average emission of particulates from this stationary combustion installation shall not exceed 0.10 pounds per million Btu of heat input.

Particulate emission limit for a stationary combustion installation firing oil. Once during the term of this permit, the facility shall perform the following:

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

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

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

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

This condition applies to the five (5) 50 MM Btu/hr each new boilers (Emission Sources S0011, S0012, S0013, S0014 & S0015) in Emission Unit 0-U0007 when operating on residual oil (Process 2F7).

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus
Reference Test Method: EPA RM5
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 49: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 49.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-TEMP1 Emission Point: TMPBL
Process: 2FT Emission Source: TMPB1

Emission Unit: 0-TEMP1 Emission Point: TMPBL
Process: 2FT Emission Source: TMPB2

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

Item 49.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The two hour average emission of particulates from this stationary combustion installation shall not exceed 0.10 pounds per million Btu of heat input.

Particulate emission limit for a stationary combustion installation firing oil. Once during the term of this permit, the facility shall perform the following:

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

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

3) Submit an acceptable stack test report that outlines the results obtained from the testing done to meet the

requirement of #2 above.

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

This condition applies to the two 50 MM Btu/hr each temporary boilers (Emission Sources TMPB1 & TMPB2) in Emission Unit 0-TEMP1 when operating on # 2 distillate fuel oil (Process 2FT) if not removed by the expiration date of this Title V Renewal # 3.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.10 pounds per million Btus
Reference Test Method: EPA RM5
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 50: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 50.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0001 Emission Point: E0001
Process: OIL Emission Source: S0001

Emission Unit: 0-U0001 Emission Point: E0001
Process: OIL Emission Source: S0002

Emission Unit: 0-U0001 Emission Point: E0001
Process: OIL Emission Source: S0003

Emission Unit: 0-U0001 Emission Point: E0001
Process: OIL Emission Source: S0004

Emission Unit: 0-U0001 Emission Point: E0001
Process: OIL Emission Source: S0005

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

Item 50.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

The two hour average emission of particulates from this stationary combustion installation shall not exceed 0.10 pounds per million Btu of heat input.

Particulate emission limit for a stationary combustion installation firing oil. Once during the term of this permit, the facility shall perform the following:

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

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

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

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

This condition applies to the five (5) 42 MM Btu/hr each Combustion Engineering/Verticle 9 boilers (Emission Sources S0001, S0002, S0003, S0004 & S0005) in Emission Unit 0-U0001 when operating on residual oil (Process OIL) if not removed by the expiration date of this Title V Renewal # 3.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.10 pounds per million Btus
Reference Test Method: EPA RM5
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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 51: Applicability
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 60, NSPS Subpart IIII

Item 51.1:
Facilities that have stationary compression ignition internal combustion engines must comply with applicable portions of 40 CFR 60 Subpart IIII.

Condition 52: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 60.4202(a)(2), NSPS Subpart IIII

Item 52.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0005	Emission Point: 0GEN2
Process: GN1	Emission Source: GEN02
Emission Unit: 0-U0005	Emission Point: 0GEN3
Process: GN1	Emission Source: GEN03
Emission Unit: 0-U0005	Emission Point: 0GEN4
Process: GN1	Emission Source: GEN04
Emission Unit: 0-U0005	Emission Point: 0GEN5
Process: GN1	Emission Source: GEN05
Emission Unit: 0-U0005	Emission Point: 0TEMP
Process: GN1	Emission Source: TEMPG

Item 52.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

§ 60.4202(a)(2): Emission standards for emergency engines for a stationary CI internal combustion engine manufacturer:

(a) Stationary CI internal combustion engine manufacturers must certify their 2007 model year and later emergency stationary CI ICE with a maximum engine power less than or equal to 2,237 KW (3,000 HP) and a displacement of less than 10 liters per cylinder that are not fire pump engines to the emission standards specified in paragraphs (a)(1) through (2) of this section.

(2) For engines with a maximum engine power greater than or equal to 37 KW (50 HP), the certification emission standards for new nonroad CI engines for the same model year and maximum engine power in 40 CFR 89.112 and 40 CFR 89.113 for all pollutants beginning in model year 2007.

For 2011 model year and later, the certification emission standards for new nonroad CI engines for engines of the same model year and maximum engine power in 40 CFR 89.112 and 40 CFR 89.113 for all pollutants.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 53: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 60.4205(b), NSPS Subpart IIII

Item 53.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004	Emission Point: 0NAB4
Process: GEN	Emission Source: GEN01
Emission Unit: 0-U0005	Emission Point: 0GEN2
Process: GN1	Emission Source: GEN02
Emission Unit: 0-U0005	Emission Point: 0GEN3
Process: GN1	Emission Source: GEN03
Emission Unit: 0-U0005	Emission Point: 0GEN4
Process: GN1	Emission Source: GEN04
Emission Unit: 0-U0005	Emission Point: 0GEN5
Process: GN1	Emission Source: GEN05
Emission Unit: 0-U0005	Emission Point: 0TEMP
Process: GN1	Emission Source: TEMPG

Item 53.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of a 2007 model year or later emergency stationary compression ignition (CI) internal combustion engine with a maximum engine power less than or equal to 2,237 kW (3,000 HP) that is not a fire pump engine and has a displacement of less than 10 liters/cylinder will require certification to the following emission standards:

For engines with a maximum engine power greater than or equal to 37 kW (50 HP):

- 2007 model year and later - emission standards specified in 40 CFR 89.112 and 40CFR 89.113, as applicable, for all pollutants, for the same model year and maximum engine power.

Compliance with this requirement will be established by purchasing an engine certified to the applicable emission standard referenced above and installed and configured according to the manufacturer's specifications. Records documenting these actions must be kept on-site.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 54: Duration of emission standards for new stationary compression ignition IC engines
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 60.4206, NSPS Subpart IIII

Item 54.1:
Owners and operators of stationary combustion iginition internal combusiton engine (CI ICE) must operate and maintain the stationary CI ICE that achieve the emission standards as required in §§60.4204 and 60.4205 over the entire life of the engine.

Condition 55: Stationary CI-IC Engines - Installation and importing deadlines for engines produced in the previous model year
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 60.4208, NSPS Subpart IIII

Item 55.1:
Owners or operators are subject to the following deadlines for importing or installing stationary compression ignition internal combustion engines (CI-ICE) produced in the previous model year:

(a) After December 31, 2008, owners and operators may not install stationary CI ICE (excluding fire pump engines) that do not meet the applicable requirements for 2007 model year engines.

(b) After December 31, 2009, owners and operators may not install stationary CI ICE with a maximum engine power of less than 19 KW (25 HP) (excluding fire pump engines) that do not meet the applicable requirements for 2008 model year engines.

(c) After December 31, 2014, owners and operators may not install non-emergency stationary CI ICE with a maximum engine power of greater than or equal to 19 KW (25 HP) and less than 56 KW (75 HP) that do not meet the applicable requirements for 2013 model year non-emergency engines.

(d) After December 31, 2013, owners and operators may not install non-emergency stationary CI ICE with a maximum engine power of greater than or equal to 56 KW (75 HP) and less than 130 KW (175 HP) that do not meet the applicable requirements for 2012 model year non-emergency

engines.

(e) After December 31, 2012, owners and operators may not install non-emergency stationary CI ICE with a maximum engine power of greater than or equal to 130 KW (175 HP), including those above 560 KW (750 HP), that do not meet the applicable requirements for 2011 model year non-emergency engines.

(f) After December 31, 2016, owners and operators may not install non-emergency stationary CI ICE with a maximum engine power of greater than or equal to 560 KW (750 HP) that do not meet the applicable requirements for 2015 model year non-emergency engines.

(g) After December 31, 2018, owners and operators may not install non-emergency stationary CI ICE with a maximum engine power greater than or equal to 600KW (804 HP) and less than 2,000 KW (2,680 HP) and a displacement of greater than or equal to 10 liters per cylinder that do not meet the applicable requirements for 2017 model year non-emergency engines.

(h) In addition to the requirements specified in 40 CFR 60.4201, 60.4202, 60.4204, and 60.4205, it is prohibited to import a stationary CI ICE with a displacement of less than 30 liters per cylinder that does not meet the applicable requirements specified in paragraphs (a) through (g) above after the dates specified in those paragraphs.

(i) The deadlines listed above do not apply to owners or operators of a stationary CI ICE that have been modified, reconstructed, and do not apply to engines that were removed from one existing location and reinstalled at a new location.

Condition 56: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 60.4211(c), NSPS Subpart IIII

Item 56.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004	Emission Point: 0NAB4
Process: GEN	Emission Source: GEN01
Emission Unit: 0-U0005	Emission Point: 0GEN2
Process: GN1	Emission Source: GEN02
Emission Unit: 0-U0005	Emission Point: 0GEN3
Process: GN1	Emission Source: GEN03
Emission Unit: 0-U0005	Emission Point: 0GEN4
Process: GN1	Emission Source: GEN04
Emission Unit: 0-U0005	Emission Point: 0GEN5
Process: GN1	Emission Source: GEN05
Emission Unit: 0-U0005	Emission Point: 0TEMP

Process: GN1 Emission Source: TEMPG

Item 56.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Owners or operators of a 2007 model year and later stationary CI internal combustion engine must comply with the emission standards specified in §60.4204(b) or §60.4205(b).

The engine must be installed and configured according to the manufacturer's specifications.

The manufacturer's certification of compliance with the emission standards specified in 40 CFR 60 Subpart IIII for major pollutants will be sent to the Department prior to commencement of operatinon of the engines.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 57: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 60.4211(e), NSPS Subpart IIII

Item 57.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004 Emission Point: 0NAB4
Process: GEN Emission Source: GEN01

Emission Unit: 0-U0005 Emission Point: 0GEN2
Process: GN1 Emission Source: GEN02

Emission Unit: 0-U0005 Emission Point: 0GEN3
Process: GN1 Emission Source: GEN03

Emission Unit: 0-U0005 Emission Point: 0GEN4
Process: GN1 Emission Source: GEN04

Emission Unit: 0-U0005 Emission Point: 0GEN5
Process: GN1 Emission Source: GEN05

Emission Unit: 0-U0005 Emission Point: 0TEMP
Process: GN1 Emission Source: TEMPG

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. For owners and operators of emergency engines meeting standards under §60.4205 but not §60.4204, any operation other than emergency operation, and maintenance and testing as permitted in this section, is prohibited.

Parameter Monitored: ENGINE OPERATION
Upper Permit Limit: 100 hours per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: ANNUAL TOTAL
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 58: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 60.4214, NSPS Subpart IIII

Item 58.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004	Emission Point: 0NAB4
Process: GEN	Emission Source: GEN01
Emission Unit: 0-U0005	Emission Point: 0GEN2
Process: GN1	Emission Source: GEN02
Emission Unit: 0-U0005	Emission Point: 0GEN3
Process: GN1	Emission Source: GEN03
Emission Unit: 0-U0005	Emission Point: 0GEN4
Process: GN1	Emission Source: GEN04
Emission Unit: 0-U0005	Emission Point: 0GEN5
Process: GN1	Emission Source: GEN05

Emission Unit: 0-U0005 Emission Point: 0TEMP
Process: GN1 Emission Source: TEMPG

Item 58.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(b) If the stationary CI internal combustion engine is an emergency stationary internal combustion engine, the owner or operator is not required to submit an initial notification. Starting with the model years in table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

(c) If the stationary CI internal combustion engine is equipped with a diesel particulate filter, the owner or operator must keep records of any corrective action taken after the backpressure monitor has notified the owner or operator that the high backpressure limit of the engine is approached.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 59: General Provisions
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 60.4218, NSPS Subpart IIII

Item 59.1:
Table 8 of Subpart IIII shows which parts of the general provisions in §§60.1-60.19 (Subpart A) apply to any facility that is subject to 40 CFR 60, Subpart IIII.

Condition 60: Applicability
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 60.1:
Facilities that have reciprocating internal combustion engines must comply with applicable

portions of 40 CFR 63 subpart ZZZZ.

Condition 61: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 63.6585, Subpart ZZZZ

Item 61.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004	Emission Point: 0NAB4
Process: GEN	Emission Source: GEN01
Emission Unit: 0-U0005	Emission Point: 0GEN2
Process: GN1	Emission Source: GEN02
Emission Unit: 0-U0005	Emission Point: 0GEN3
Process: GN1	Emission Source: GEN03
Emission Unit: 0-U0005	Emission Point: 0GEN4
Process: GN1	Emission Source: GEN04
Emission Unit: 0-U0005	Emission Point: 0GEN5
Process: GN1	Emission Source: GEN05
Emission Unit: 0-U0005	Emission Point: 0TEMP
Process: GN1	Emission Source: TEMPG

Item 61.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The facility operates stationary RICEs at an area source of HAP emissions, it is therefore applicable to the requirements of Subpart ZZZZ. Specifically, all an existing stationary RICEs with a site rating of greater than 500 brake HP located at the site.

The facility shall keep a list of all engines applicable to the regulation, locations of each engine and a list of the hours of operation; updated semi-annually.

The facility operates its generators/engines such that the total operating hours per engine will not exceed the maximum operating hours of 100 hrs/yr. By this capping (of 100 hrs/yr per engine), the engines will NOT be required to reduce the Carbon Monoxide emissions and the CO reduction systems are NOT required to be installed. Other Subpart ZZZZ related maintenance requirements will be performed (oil change, filters, tune-up, etc.)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 62: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 63.6603(a), Subpart ZZZZ

Item 62.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004	Emission Point: 0NAB4
Process: GEN	Emission Source: GEN01
Emission Unit: 0-U0005	Emission Point: 0GEN2
Process: GN1	Emission Source: GEN02
Emission Unit: 0-U0005	Emission Point: 0GEN3
Process: GN1	Emission Source: GEN03
Emission Unit: 0-U0005	Emission Point: 0GEN4
Process: GN1	Emission Source: GEN04
Emission Unit: 0-U0005	Emission Point: 0GEN5
Process: GN1	Emission Source: GEN05
Emission Unit: 0-U0005	Emission Point: 0TEMP
Process: GN1	Emission Source: TEMPG

Item 62.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of an existing emergency and black start compression ignition stationary RICE located at an area source of HAP emissions must comply with the following maintenance procedures:

(1) Change oil and filter every 500 hours of operation or annually, whichever comes first;

(2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;

(3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.6630.

Continuous compliance will then be demonstrated according to 40 CFR 63.6640. The facility must keep records according to the provisions in 40 CFR 63.6655 and submit the notifications and reports listed in 40 CFR 63.6645 and 63.6650.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 63: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 63.6603(a), Subpart ZZZZ

Item 63.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004	Emission Point: 0NAB4
Process: GEN	Emission Source: GEN01
Emission Unit: 0-U0005	Emission Point: 0GEN2
Process: GN1	Emission Source: GEN02
Emission Unit: 0-U0005	Emission Point: 0GEN3
Process: GN1	Emission Source: GEN03
Emission Unit: 0-U0005	Emission Point: 0GEN4
Process: GN1	Emission Source: GEN04
Emission Unit: 0-U0005	Emission Point: 0GEN5
Process: GN1	Emission Source: GEN05
Emission Unit: 0-U0005	Emission Point: 0TEMP
Process: GN1	Emission Source: TEMPG

Item 63.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of an existing emergency and black start spark ignition stationary RICE located at an area source of HAP emissions must comply with the following

maintenance procedures:

(1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
(2) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;
(3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.6630.

Continuous compliance will then be demonstrated according to 40 CFR 63.6640. The facility must keep records according to the provisions in 40 CFR 63.6655 and submit the notifications and reports listed in 40 CFR 63.6645 and 63.6650.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 64: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 63.6625(e), Subpart ZZZZ

Item 64.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004	Emission Point: 0NAB4
Process: GEN	Emission Source: GEN01
Emission Unit: 0-U0005	Emission Point: 0GEN2
Process: GN1	Emission Source: GEN02
Emission Unit: 0-U0005	Emission Point: 0GEN3
Process: GN1	Emission Source: GEN03
Emission Unit: 0-U0005	Emission Point: 0GEN4
Process: GN1	Emission Source: GEN04
Emission Unit: 0-U0005	Emission Point: 0GEN5
Process: GN1	Emission Source: GEN05
Emission Unit: 0-U0005	Emission Point: 0TEMP
Process: GN1	Emission Source: TEMPG

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of any of the following stationary RICE must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

(1) An existing stationary RICE with a site rating of less than 100 brake horsepower located at a major source of HAP emissions;

(2) An existing emergency or black start stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions;

(3) An existing emergency or black start stationary RICE located at an area source of HAP emissions;

(4) An existing non-emergency, non-black start stationary compression ignition RICE with a site rating less than or equal to 300 brake horsepower located at an area source of HAP emissions;

(5) An existing non-emergency, non-black start 2 stroke lean burn stationary RICE located at an area source of HAP emissions;

(6) An existing non-emergency, non-black start stationary RICE located at an area source of HAP emissions which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis;

(7) An existing non-emergency, non-black start 4 stroke lean burn stationary RICE with a site rating less than or equal to 500 brake horsepower located at an area source of HAP emissions;

(8) An existing non-emergency, non-black start 4 stroke rich burn stationary RICE with a site rating less than or equal to 500 brake horsepower located at an area source of HAP emissions;

(9) An existing, non-emergency, non-black start 4 stroke lean burn stationary RICE with a site rating greater than 500 brake horsepower located at an area source of HAP

emissions that is operated 24 hours or less per calendar year; and

(10) An existing, non-emergency, non-black start 4 stroke rich burn stationary RICE with a site rating greater than 500 brake horsepower located at an area source of HAP emissions that is operated 24 hours or less per calendar year.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 65: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 63.6640(f), Subpart ZZZZ

Item 65.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004	Emission Point: 0NAB4
Process: GEN	Emission Source: GEN01
Emission Unit: 0-U0005	Emission Point: 0GEN2
Process: GN1	Emission Source: GEN02
Emission Unit: 0-U0005	Emission Point: 0GEN3
Process: GN1	Emission Source: GEN03
Emission Unit: 0-U0005	Emission Point: 0GEN4
Process: GN1	Emission Source: GEN04
Emission Unit: 0-U0005	Emission Point: 0GEN5
Process: GN1	Emission Source: GEN05
Emission Unit: 0-U0005	Emission Point: 0TEMP
Process: GN1	Emission Source: TEMPG

Item 65.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of an emergency stationary RICE must operate the emergency stationary RICE according to the requirements in 40 CFR 63.6640(f)(1) through (4). In order for the engine to be considered an emergency stationary RICE under subpart ZZZZ, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency

situations for 50 hours per year, as described in 40 CFR 63.6640(f)(1) through (4), is prohibited. If the owner or operator does not operate the engine according to the requirements in 40 CFR 63.6640(f)(1) through (4), the engine will not be considered an emergency engine under subpart ZZZZ and must meet all requirements for non-emergency engines.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 66: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 63.6640(f), Subpart ZZZZ

Item 66.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004	Emission Point: 0NAB4
Process: GEN	Emission Source: GEN01
Emission Unit: 0-U0005	Emission Point: 0GEN2
Process: GN1	Emission Source: GEN02
Emission Unit: 0-U0005	Emission Point: 0GEN3
Process: GN1	Emission Source: GEN03
Emission Unit: 0-U0005	Emission Point: 0GEN4
Process: GN1	Emission Source: GEN04
Emission Unit: 0-U0005	Emission Point: 0GEN5
Process: GN1	Emission Source: GEN05
Emission Unit: 0-U0005	Emission Point: 0TEMP
Process: GN1	Emission Source: TEMPG

Item 66.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of an existing emergency stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions, a new or reconstructed emergency stationary RICE with a site rating of more than 500 brake horsepower located at a

major source of HAP emissions that was installed on or after June 12, 2006, or an existing emergency stationary RICE located at an area source of HAP emissions must operate the emergency stationary RICE according to the requirements in paragraphs (i) through (iii) below. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (i) through (iii) below, is prohibited. If you do not operate the engine according to the requirements in paragraphs (i) through (iii) below, the engine will not be considered an emergency engine under this subpart and will need to meet all requirements for non-emergency engines.

(i) There is no time limit on the use of emergency stationary RICE in emergency situations.

(ii) The facility may operate the emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The owner or operator may petition the EPA Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year.

(iii) The facility may operate the emergency stationary RICE up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity; except that owners and operators may operate the emergency engine for a maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout, such as unusually low frequency, equipment overload, capacity or energy deficiency, or unacceptable voltage level. The engine may not be operated for more than 30 minutes prior to the time when the emergency condition is expected to occur, and the engine operation must be terminated immediately after the facility is

notified that the emergency condition is no longer imminent. The 15 hours per year of demand response operation are counted as part of the 50 hours of operation per year provided for non-emergency situations. The supply of emergency power to another entity or entities pursuant to financial arrangement is not limited by this paragraph, as long as the power provided by the financial arrangement is limited to emergency power.

The facility will operate the generators/engines such that the total operating hours per engine will not exceed the maximum operating hours of 100 hrs/yr. By this capping (of 100 hrs/yr per engine), the engines will NOT be required to reduce Carbon Monoxide emissions and CO reduction systems are NOT required to be installed. Other Subpart ZZZZ related maintenance requirements will be performed (oil change, filters, tune-up, etc.)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 67: General provisions
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 63.6665, Subpart ZZZZ

Item 67.1:
Table 8 of 40 CFR 63 Subpart ZZZZ shows which parts of the General Provisions 40 CFR 63.1 through 40 CFR 63.15 apply to this facility. Facility is responsible for ensuring they comply with all General Provisions contained in Table 8.

Condition 68: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 63.6665, Subpart ZZZZ

Item 68.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004	Emission Point: 0NAB4
Process: GEN	Emission Source: GEN01
Emission Unit: 0-U0005	Emission Point: 0GEN2
Process: GN1	Emission Source: GEN02
Emission Unit: 0-U0005	Emission Point: 0GEN3
Process: GN1	Emission Source: GEN03

Emission Unit: 0-U0005	Emission Point: 0GEN4
Process: GN1	Emission Source: GEN04
Emission Unit: 0-U0005	Emission Point: 0GEN5
Process: GN1	Emission Source: GEN05
Emission Unit: 0-U0005	Emission Point: 0TEMP
Process: GN1	Emission Source: TEMPG

Item 68.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Table 8 of 40 CFR 63 Subpart ZZZZ shows which parts of the General Provisions 40 CFR 63.1 through 40 CFR 63.15 apply to this facility. Facility is responsible for ensuring they comply with all General Provisions contained in Table 8.

The facility operates stationary RICEs at an area source of HAP emissions, it is therefore applicable to the requirements of Subpart ZZZZ. Specifically, all an existing stationary RICEs with a site rating of greater than 500 brake HP located at the site.

The facility shall keep a list of all engines applicable to the regulation, locations of each engine and a list of operation; updated semi-annually.

The facility will operate the generators/engines such that the total operating hours per engine will not exceed the maximum operating hours of 100 hrs/yr. By this capping (of 100 hrs/yr per engine), the engines will NOT be required to reduce Carbon Monoxide emissions and CO reduction systems are NOT required to be installed. Other Subpart ZZZZ related maintenance requirements will be performed (oil change, filters, tune-up, etc.)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 69: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 80.510(b), Subpart I

Item 69.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004 Emission Point: 0NAB4
Process: GEN Emission Source: GEN01

Emission Unit: 0-U0005 Emission Point: 0GEN2
Process: GN1 Emission Source: GEN02

Emission Unit: 0-U0005 Emission Point: 0GEN3
Process: GN1 Emission Source: GEN03

Emission Unit: 0-U0005 Emission Point: 0GEN4
Process: GN1 Emission Source: GEN04

Emission Unit: 0-U0005 Emission Point: 0GEN5
Process: GN1 Emission Source: GEN05

Emission Unit: 0-U0005 Emission Point: 0TEMP
Process: GN1 Emission Source: TEMPG

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

Item 69.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Beginning October 1, 2010: Except as otherwise specifically provided in 40 CFR 80 Subpart I, all nonroad and locomotive marine diesel fuel is subject to the following per-gallon standards for sulfur content:

15 ppm maximum for nonroad (NR) diesel fuel

Downstate Medical Center will demonstrate compliance with the fuel specifications by retaining certificates from the fuel supplier that the diesel fuel meets the nonroad diesel fuel requirements of 40 CFR 80.510 (b), or indication of the maximum 35 volume percent aromatic content or the minimum 40 ratio centane index.

Parameter Monitored: SULFUR
Upper Permit Limit: 15 parts per million by weight
Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 70: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 89.112, Subpart B

Item 70.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004	Emission Point: 0NAB4
Process: GEN	Emission Source: GEN01
Emission Unit: 0-U0005	Emission Point: 0GEN2
Process: GN1	Emission Source: GEN02
Emission Unit: 0-U0005	Emission Point: 0GEN3
Process: GN1	Emission Source: GEN03
Emission Unit: 0-U0005	Emission Point: 0GEN4
Process: GN1	Emission Source: GEN04
Emission Unit: 0-U0005	Emission Point: 0GEN5
Process: GN1	Emission Source: GEN05
Emission Unit: 0-U0005	Emission Point: 0TEMP
Process: GN1	Emission Source: TEMPG

Regulated Contaminant(s):
CAS No: 0NY508-00-0 40 CFR 60 SUBPART IIII - NMHC + NOX

Item 70.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
§ 89.112 Oxides of nitrogen, carbon monoxide, hydrocarbon, and particulate matter exhaust emission standards.

1.(a) Exhaust emission from nonroad compression-ignition engines to which this subpart is applicable shall not exceed the applicable exhaust emission limit standards of 6.4 gm/kW-hr for the combined emissions of NOx and NMHC.

Naturally aspired nonroad engines to which this subpart is applicable shall not discharge crankcase emissions into

the ambient atmosphere, unless such crankcase emissions are permanently routed into the exhaust and included in all exhaust emission measurements. This provision applies to all Tier 2 engines and later models. this provision does not apply to engines using turbocharges, pumps, blowers, or supercharges of air induction.

2. Emission Limitations and Standards as per 40 CFR 60.4202(a):

a. Nitrogen Oxides (NOx) and Non-methane hydrocarbons (NMHC) as per 40 CFR 89.112:

The Permittee shall limit the combined emissions of NOx and NMHC below 6.4 gm/kW-hr from the emergency engine.

These engines will be used to provide power to the facility in the event of outside commercial power interruption or unreliability issues. The Permittee shall burn only diesel fuel in the compression ignition engines.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DIESEL OIL
Parameter Monitored: 40 CFR 60 SUBPART IIII - NMHC + NOX
Upper Permit Limit: 6.4 grams per kilowatt hour
Reference Test Method: 40 CFR 89.112 Subpart E or 40 CFR Part 1065
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 71: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 89.112, Subpart B

Item 71.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004	Emission Point: 0NAB4
Process: GEN	Emission Source: GEN01
Emission Unit: 0-U0005	Emission Point: 0GEN2
Process: GN1	Emission Source: GEN02
Emission Unit: 0-U0005	Emission Point: 0GEN3
Process: GN1	Emission Source: GEN03

Emission Unit: 0-U0005 Emission Point: 0GEN4
Process: GN1 Emission Source: GEN04

Emission Unit: 0-U0005 Emission Point: 0GEN5
Process: GN1 Emission Source: GEN05

Emission Unit: 0-U0005 Emission Point: 0TEMP
Process: GN1 Emission Source: TEMPG

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 71.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

§ 89.112 Oxides of nitrogen, carbon monoxide, hydrocarbon, and particulate matter exhaust emission standards.

1.(a) Exhaust emission from nonroad compression-ignition engines to which this subpart is applicable shall not exceed the applicable exhaust emission limit standards of 3.5 gm/kW-hr for the emissions of CO.

Naturally aspired nonroad engines to which this subpart is applicable shall not discharge crankcase emissions into the ambient atmosphere, unless such crankcase emissions are permanently routed into the exhaust and included in all exhaust emission measurements. This provision applies to all Tier 2 engines and later models. This provision does not apply to engines using turbocharges, pumps, blowers, or supercharges of air induction.

2. Emission Limitations and Standards as per 40 CFR.4202(a):

b. Carbon Monoxide (CO) as per 40 CFR 89.112:

The Permittee shall limit the emission of CO below 3.5 gm/kW-hr from the emergency engine.

These engines will be used to provide power to the facility in the event of outside commercial power interruption or unreliability issues. The Permittee shall burn only diesel fuel in the compression ignition engines.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DIESEL OIL

Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 3.5 grams per kilowatt hour
Reference Test Method: 40 CFR 89.112 Subpart E or 40 CFR Part 1065
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 72: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 89.112, Subpart B

Item 72.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004 Emission Point: 0NAB4
Process: GEN Emission Source: GEN01

Emission Unit: 0-U0005 Emission Point: 0GEN2
Process: GN1 Emission Source: GEN02

Emission Unit: 0-U0005 Emission Point: 0GEN3
Process: GN1 Emission Source: GEN03

Emission Unit: 0-U0005 Emission Point: 0GEN4
Process: GN1 Emission Source: GEN04

Emission Unit: 0-U0005 Emission Point: 0GEN5
Process: GN1 Emission Source: GEN05

Emission Unit: 0-U0005 Emission Point: 0TEMP
Process: GN1 Emission Source: TEMPG

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

Item 72.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
§ 89.112 Oxides of nitrogen, carbon monoxide, hydrocarbon, and particulate matter exhaust emission standards.

1.(a) Exhaust emission from nonroad compression-ignition engines to which this subpart is applicable shall not exceed the applicable exhaust emission limit standards of

0.2 gm/kW-hr for the emissions of PM.

Naturally aspired nonroad engines to which this subpart is applicable shall not discharge crankcase emissions into the ambient atmosphere, unless such crankcase emissions are permanently routed into the exhaust and included in all exhaust emission measurements. This provision applies to all Tier 2 engines and later models. this provision does not apply to engines using turbocharges, pumps, blowers, or supercharges of air induction.

2. Emission limitations and Standards as per 40 CFR 60.4202(a):

c. Particulate Matter (PM) as per 40 CFR 89.112:

The Permittee shall limit the emission of PM below 0.2 gm/kW-hr from the emergency engine.

Exhaust emission of particulate matter is measured using the California Regulations for New 1996 and Later Heavy-Duty Off-Road Diesel Cycle Engines. This procedure is incorporated by reference in 40 CFR 89.6.

These engines will be used to provide power to the facility in the event of outside commercial power interruption or unreliability issues. The Permittee shall burn only diesel fuel in the compression ignition engines.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DIESEL OIL
Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.2 grams per kilowatt hour
Reference Test Method: 40 CFR 89.6 or 40 CFR Part 1065
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 73: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 89.112, Subpart B

Item 73.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004 Emission Point: 0NAB4

Process: GEN	Emission Source: GEN01
Emission Unit: 0-U0005 Process: GN1	Emission Point: 0GEN2 Emission Source: GEN02
Emission Unit: 0-U0005 Process: GN1	Emission Point: 0GEN3 Emission Source: GEN03
Emission Unit: 0-U0005 Process: GN1	Emission Point: 0GEN4 Emission Source: GEN04
Emission Unit: 0-U0005 Process: GN1	Emission Point: 0GEN5 Emission Source: GEN05
Emission Unit: 0-U0005 Process: GN1	Emission Point: 0TEMP Emission Source: TEMPG

Item 73.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

General Requirements

1. Operating Requirements

a. The Permittee shall operate and maintain the engine over its entire life according to the manufacturer's written instructions or procedures developed by the Permittee that are approved by the engine manufacturer. A copy of the instructions or procedures shall be kept onsite and made available to NYSDEC upon request. [40 CFR 60.4206, 4211(a)]

b. The Permittee shall only change those engine settings that are permitted by the manufacturer. [40 CFR 60.4211(a)]

c. The Permittee shall meet the requirements of 40 CFR parts 89, 94, or 1068, as they apply. [40 CFR 60.4211(a)]

d. Fuel Requirements
(2) After October 1, 2010, the engine shall use diesel fuel that meets the following requirements of 40 CFR 80.510(b):

(I) Sulfur content: 15 ppm maximum; and
(II) A minimum cetane index of 40 or a maximum aromatic content of 35 volume percent.
[40 CFR 60.4207(b)]

e. Additional Emergency Engine Requirements
[40 CFR 60.4211(e), 60.4209(a)]

(1) The Permittee shall install a non-resettable hour meter prior to startup of the engine.
(2) Emergency engines may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine.

(3) The Permittee shall not operate the emergency engine for the purposes of maintenance checks and readiness testing for more than 100 hours per year unless the Permittee maintains records identifying the Federal, State, or local standards that require maintenance and testing of emergency internal combustion engines beyond 100 hours per year. Copies of such records shall be provided to NYSDEC upon request.

(4) The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency internal combustion engines beyond 100 hours per year.

(5) The Permittee shall not operate emergency engines except for emergency purposes, and maintenance and testing.

(6) The Permittee shall maintain monthly records of engine operation. The records shall include the purpose of operation and the duration of time the engine was operated. The record shall identify whenever the operation of the engine was for emergency purposes.

3. Monitoring and Record Keeping Requirements
a. The Permittee shall comply by purchasing an engine certified to the emission standards in this permit. The engine shall be installed and configured according to the manufacturer's specifications. [40 CFR 4211(c)]

b. The Permittee shall maintain a copy of engine certifications or other documentation demonstrating that the engine complies with the applicable standards in this Permit, and shall make the documentation available to NYSDEC upon request.

c. The Permittee shall keep records of fuel supplier specifications. The specifications shall contain

information regarding the name of fuel supplier, sulfur content, and cetane index or aromatic content in the fuel. These records shall be made available to NYSDEC upon request.

4. Permit Shield
Compliance with the conditions of this Part shall be deemed compliance with 40 CFR 60.4202(a)(2), 60.4206, 60.4207(a) & (b), 60.4209(a), 60.4211(a), (c), & (e), 89.112, and 89.113.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 74: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 89.112, Subpart B

Item 74.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004	Emission Point: 0NAB4
Process: GEN	Emission Source: GEN01
Emission Unit: 0-U0005	Emission Point: 0GEN2
Process: GN1	Emission Source: GEN02
Emission Unit: 0-U0005	Emission Point: 0GEN3
Process: GN1	Emission Source: GEN03
Emission Unit: 0-U0005	Emission Point: 0GEN4
Process: GN1	Emission Source: GEN04
Emission Unit: 0-U0005	Emission Point: 0GEN5
Process: GN1	Emission Source: GEN05
Emission Unit: 0-U0005	Emission Point: 0TEMP
Process: GN1	Emission Source: TEMPG

Item 74.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
These engines will be used to provide power to the facility in the event of outside commercial power interruption or unreliability issues. These compression ignition (CI) engine diesel generator will be operated for

a maximum of 100 hours in a year for purposes of maintenance checks and readiness testing.

1. Type of Fuel:
The Permittee shall burn only diesel fuel in the compression ignition engine.

2. Operating Hours:
The Permittee shall not operate the emergency engines for the purposes of maintenance checks and readiness testing for more than 100 hours per year unless the Permittee maintains records identifying the Federal, State, or local standards that require maintenance and testing of emergency internal combustion engines beyond 100 hours per year. Copies of such records shall be provided to NYSDEC upon request.

3. Monitoring, Reporting and Recordkeeping requirements:
The Permittee shall keep a monthly record of the hours of operation of the engines. At the end of each month, a 12-month rolling total of hours of operation of the engines shall be computed.

Work Practice Type: HOURS PER YEAR OPERATION
Upper Permit Limit: 100 hours
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 75: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 89.113, Subpart B

Item 75.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004	Emission Point: 0NAB4
Process: GEN	Emission Source: GEN01
Emission Unit: 0-U0005	Emission Point: 0GEN2
Process: GN1	Emission Source: GEN02
Emission Unit: 0-U0005	Emission Point: 0GEN3
Process: GN1	Emission Source: GEN03
Emission Unit: 0-U0005	Emission Point: 0GEN4
Process: GN1	Emission Source: GEN04

Emission Unit: 0-U0005 Emission Point: 0GEN5
Process: GN1 Emission Source: GEN05

Emission Unit: 0-U0005 Emission Point: 0TEMP
Process: GN1 Emission Source: TEMPG

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

Item 75.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
PART 89--CONTROL OF EMISSIONS FROM NEW AND IN-USE NONROAD COMPRESSION-IGNITION ENGINES:

Subpart B--Emission Standards and Certification Provisions

Sec. 89.113 Smoke emission standard.

(a) Exhaust opacity from the emergency compression-ignition nonroad engine diesel generators for which this subpart is applicable must not exceed:

(1) 20 percent during the acceleration mode;
(2) 15 percent during the lugging mode; and
(3) 50 percent during the peaks in either the acceleration or lugging exhaust opacity modes.

(b) Opacity levels are to be measured and calculated as set forth in 40 CFR part 86, subpart I. Notwithstanding the provisions of 40 CFR part 86, subpart I, two-cylinder nonroad engines may be tested using an exhaust muffler that is representative of exhaust mufflers used with the engines in use.

(c) The following engines are exempt from the requirements of this section:

(1) Single-cylinder engines;
(2) Propulsion marine diesel engines; and
(3) Constant-speed engines.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DIESEL OIL
Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: 40 CFR Part 86, Subpart I
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Condition 76: Emission Point Definition By Emission Unit
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 76.1:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-TEMP1

Emission Point: TMPBL
Height (ft.): 150 Diameter (in.): 13
NYTMN (km.): 4501.2 NYTME (km.): 589.3 Building: OUTSIDE

Item 76.2:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-U0001

Emission Point: E0001
Height (ft.): 185 Diameter (in.): 10
NYTMN (km.): 4501.223 NYTME (km.): 589.333 Building: 1

Item 76.3:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-U0002

Emission Point: E0002
Height (ft.): 168 Diameter (in.): 24
NYTMN (km.): 4501.223 NYTME (km.): 589.333 Building: 1

Item 76.4:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-U0003

Emission Point: E0003
Height (ft.): 80 Diameter (in.): 36
NYTMN (km.): 4501.223 NYTME (km.): 589.3 Building: 1

Item 76.5:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-U0004

Emission Point: 0NAB1
Height (ft.): 189 Diameter (in.): 12
NYTMN (km.): 4501.2 NYTME (km.): 589.3 Building: NAB

Emission Point: 0NAB2
Height (ft.): 189 Diameter (in.): 12
NYTMN (km.): 4501.2 NYTME (km.): 589.3 Building: NAB

Emission Point: 0NAB3
Height (ft.): 189 Diameter (in.): 12
NYTMN (km.): 4501.2 NYTME (km.): 589.3 Building: NAB

Emission Point: 0NAB4
Height (ft.): 189 Diameter (in.): 18
NYTMN (km.): 4501.2 NYTME (km.): 589.3 Building: NAB

Item 76.6:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-U0005

Emission Point: 0GEN2
Height (ft.): 70 Diameter (in.): 13
NYTMN (km.): 4501.2 NYTME (km.): 589.3 Building: PPUH

Emission Point: 0GEN3
Height (ft.): 70 Diameter (in.): 13
NYTMN (km.): 4501.2 NYTME (km.): 589.3 Building: PPUH

Emission Point: 0GEN4
Height (ft.): 70 Diameter (in.): 13
NYTMN (km.): 4501.2 NYTME (km.): 589.3 Building: PPUH

Emission Point: 0GEN5
Height (ft.): 70 Diameter (in.): 13
NYTMN (km.): 4501.2 NYTME (km.): 589.3 Building: PPUH

Emission Point: 0TEMP
Height (ft.): 20 Diameter (in.): 13
NYTMN (km.): 4501.2 NYTME (km.): 589.3 Building: PPUH

Item 76.7:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-U0006

Emission Point: 0ETO1
Height (ft.): 185 Length (in.): 24 Width (in.): 24
NYTMN (km.): 4501.2 NYTME (km.): 589.3

Item 76.8:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-U0007

Emission Point: E0007
Height (ft.): 150 Diameter (in.): 13
NYTMN (km.): 4501.2 NYTME (km.): 589.3 Building: 1

Condition 77: Process Definition By Emission Unit
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 77.1:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-TEMP1
Process: 2FT Source Classification Code: 1-03-005-02
Process Description:

Process 2FT is the firing of # 2 distillate fuel oil in the two (2) temporary boilers with a maximum heat input of 50 MM Btu/hr in Emission Unit 0-TEMP1. The two temporary boilers are identified as Emission Sources TMPB1 & TMPB2.

The two temporary boilers are dual fuel, firing natural gas (Process NGT) and # 2 distillate fuel oil (Process 2FT).

The emissions from the two temporary boilers are exhausted through a combined stack identified as Emission Point TMPBL.

The two temporary boilers are being installed to provide heat load during the boiler replacement project. During the project, five (5) dual-fuel natural gas/# 2 distillate fuel oil boilers in Emission Unit 0-U0007 are being installed to replace the five (5) dual-fuel natural gas/# 6 residual fuel oil boilers in Emission Unit 0-U0001. The boilers will be replaced in three phases. During Phase 1 (anticipated November, 2015), two (2) 50 MM Btu/hr temporary dual-fuel boilers operating on natural gas (Process NGT) and # 2 distillate fuel oil (Process 2FT) will be installed in Emission Unit 0-TEMP1. During Phase 2 (anticipated March, 2016), two (2) of the old 42 MM BTU/hr each boilers (Emission Sources S0001 & S0002) in Emission Unit 0-U0001 will be removed. Then, two (2) new 50 MM Btu/hr boilers (Emission Sources S0011 & S0012) in Emission Unit 0-U0007 will be installed. During Phase 3 (anticipated December, 2016), the remaining three (3) old

42 MM Btu/hr boilers (Emission Sources S0003, S0004 & S0005) in Emission Unit 0-U0001 will be removed. Then, the final three (3) new 50 MM Btu/hr each boilers (Emission Sources S0013, S0014 & S0015) in Emission Unit 0-U0007 will be installed.

Emission Source/Control: TMPB1 - Combustion
Design Capacity: 50 million Btu per hour

Emission Source/Control: TMPB2 - Combustion
Design Capacity: 50 million Btu per hour

Item 77.2:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-TEMP1
Process: NGT Source Classification Code: 1-03-006-02
Process Description:

Process NGT is the firing of # natural gas in the two (2) temporary boilers with a maximum heat input of 50 MM Btu/hr in Emission Unit 0-TEMP1. The two temporary boilers are identified as Emission Sources TMPB1 & TMPB2.

The two temporary boilers are dual fuel, firing natural gas (Process NGT) and # 2 distillate fuel oil (Process 2FT).

The emissions from the two temporary boilers are exhausted through a combined stack identified as Emission Point TMPBL.

The two temporary boilers are being installed to provide heat load during the boiler replacement project. During the project, five (5) dual-fuel natural gas/# 2 distillate fuel oil boilers in Emission Unit 0-U0007 are being installed to replace the five (5) dual-fuel natural gas/# 6 residual fuel oil boilers in Emission Unit 0-U0001. The boilers will be replaced in three phases. During Phase 1 (anticipated November, 2015), two (2) 50 MM Btu/hr temporary dual-fuel boilers operating on natural gas (Process NGT) and # 2 distillate fuel oil (Process 2FT) will be installed in Emission Unit 0-TEMP1. During Phase 2 (anticipated March, 2016), two (2) of the old 42 MM BTU/hr each boilers (Emission Sources S0001 & S0002) in Emission Unit 0-U0001 will be removed. Then, two (2) new 50 MM Btu/hr boilers (Emission Sources S0011 & S0012) in Emission Unit 0-U0007 will be installed. During Phase 3 (anticipated December, 2016), the remaining three (3) old 42 MM Btu/hr boilers (Emission Sources S0003, S0004 & S0005) in Emission Unit 0-U0001 will be removed. Then, the final three (3) new 50 MM Btu/hr each boilers (Emission Sources S0013, S0014 & S0015) in Emission Unit

0-U0007 will be installed.

Emission Source/Control: TMPB1 - Combustion
Design Capacity: 50 million Btu per hour

Emission Source/Control: TMPB2 - Combustion
Design Capacity: 50 million Btu per hour

Item 77.3:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-U0001
Process: GAS Source Classification Code: 1-03-006-02
Process Description:
Process GAS consists of the operation of burning of natural gas in the five (5) dual-fuel external combustion boilers, Emission Sources S0001, S0002, S0003, S0004 & S0005 in Emission Unit 0-U0001. The flue gases from these boilers exit through a common stack, identified as Emission Point E0001.

Emission Source/Control: S0001 - Combustion
Design Capacity: 42 million Btu per hour

Emission Source/Control: S0002 - Combustion
Design Capacity: 42 million Btu per hour

Emission Source/Control: S0003 - Combustion
Design Capacity: 42 million Btu per hour

Emission Source/Control: S0004 - Combustion
Design Capacity: 42 million Btu per hour

Emission Source/Control: S0005 - Combustion
Design Capacity: 42 million Btu per hour

Item 77.4:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-U0001
Process: OIL Source Classification Code: 1-03-004-01
Process Description:
Process OIL consists of the operation of burning #2 distillate fuel oil in the five (5) dual-fuel external combustion boilers, Emission Sources S0001, S0002, S0003, S0004 & S0005 in Emission Unit 0-U0001. The flue gases from these boilers exit through a common stack, identified as Emission Point E0001.

The main five (5) boilers (Emission Sources S0001, S0002, S0003, S0004 & S0005 in Emission Unit 0-U0001) are

limited to burning #2 distillate fuel oil a maximum of 4,900 hours per year, none of which can be during the maximum ozone season (May 1 - September 30) according to 6 NYCRR 227-2.5 (a).

Emission Source/Control: S0001 - Combustion
Design Capacity: 42 million Btu per hour

Emission Source/Control: S0002 - Combustion
Design Capacity: 42 million Btu per hour

Emission Source/Control: S0003 - Combustion
Design Capacity: 42 million Btu per hour

Emission Source/Control: S0004 - Combustion
Design Capacity: 42 million Btu per hour

Emission Source/Control: S0005 - Combustion
Design Capacity: 42 million Btu per hour

Item 77.5:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-U0002
Process: 002 Source Classification Code: 5-01-005-05
Process Description:
Process 002 consists of the operation of a 200 lb/hr crematorium (Emission Source S0006) in Emission Unit 0-U0002, processing cadavers generated on-site. The flue gases from this crematorium exit through a stack, identified as Emission Point E0002.

Emission Source/Control: S0006 - Incinerator
Design Capacity: 200 pounds per hour
Waste Feed Method: MANUAL DIRECT FEED
Waste Type: CREMATORY WASTE (INCLUDING HUMAN AND/OR ANIMAL BODY PARTS AND ASSOCIATED ANIMAL BEDDING) ONLY

Item 77.6:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-U0003
Process: 2FO Source Classification Code: 1-03-005-02
Process Description:
Process 2FO consists of the burning of #2 distillate fuel oil (as the secondary fuel) in the new dual fuel external combustion boiler (Emission Source S0007) in Emission Unit 0-U0003. The flue gases from this boiler exit through a

stack, identified as Emission Point E0003.

Emission Source/Control: S0007 - Combustion
Design Capacity: 10.461 million Btu per hour

Item 77.7:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-U0003
Process: NAT Source Classification Code: 1-03-006-02
Process Description:
Process NAT consists of the burning of natural gas (as the primary fuel) in the new dual fuel external combustion boiler (Emission Source S0007) in Emission Unit 0-U0003. The flue gases from this boiler exit through a stack, identified as Emission Point E0003.

Emission Source/Control: S0007 - Combustion
Design Capacity: 10.461 million Btu per hour

Item 77.8:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-U0004
Process: FO2 Source Classification Code: 1-03-005-02
Process Description:
Process FO2 consists of the operation of the burning of #2 distillate fuel oil in the three (3) dual-fuel 3.0 MM Btu/hr each boilers (Emission Sources S0008, S0009 & S0010) in Emission Unit 0-U0004 in the New Academic Building (NAB). The flue gases from each of the three boilers exit through their individual stack, identified as Emission Points 0NAB1, 0NAB2 & 0NAB3; respectively.

In addition to the boiler burning # 2 distillate fuel oil (Process FO2), the three boilers also burn natural gas (Process NG1).

Emission Source/Control: S0008 - Combustion
Design Capacity: 3 million Btu per hour

Emission Source/Control: S0009 - Combustion
Design Capacity: 3 million BTUs per hour

Emission Source/Control: S0010 - Combustion
Design Capacity: 3 million BTUs per hour

Item 77.9:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-U0004
Process: GEN Source Classification Code: 2-03-001-01
Process Description:

Process GEN consists of the operation of the burning of diesel fuel in the new 1500 KW emergency generator (Emission Source GEN01) in Emission Unit 0-U0004 in the New Academic Building (NAB). The flue gases from this new 1500 KW new emergency generator exit through its individual stack, identified as Emission Point Point 0NAB4. This new 1500 KW emergency generator (Emission Source GEN01) ia allowed to operate up to 500 hours annually.

The Quantity/hr is 1500 Kilowatts. The Quantity/yr is 750,000 Kilowatts. The HRS/day is 1.37, the Days/yr is 365. All of these are based on the 1500 KW only (GEN01).

Emission Source/Control: GEN01 - Combustion
Design Capacity: 1,500 kilowatts

Item 77.10:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-U0004
Process: NG1 Source Classification Code: 1-03-006-02
Process Description:

Process NG1 consists of the operation of the burning of natural gas in the three (3) dual- fuel 3.0 MM Btu/hr each boilers (Emission Sources S0008, S0009 & S0010) in Emission Unit 0-U0004 in the New Academic Building. The flue gases from each of the three boilers exit through their individual stack, identified as Emission Points 0NAB1, 0NAB2 & 0NAB3; respectively.

In addition to the boilers burning natural gas (Process NG1), the three boilers also burn #2 distillate fuel oil (Process FO2).

Emission Source/Control: S0008 - Combustion
Design Capacity: 3 million Btu per hour

Emission Source/Control: S0009 - Combustion
Design Capacity: 3 million BTUs per hour

Emission Source/Control: S0010 - Combustion
Design Capacity: 3 million BTUs per hour

Item 77.11:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-U0005
Process: GN1 Source Classification Code: 2-03-001-01
Process Description:

Process GN1 consists of the burning of diesel fuel in the four 750 KW each replacement generators (Emission Sources GEN02, GEN03, GEN04 & GEN05) and the 2000 KW temporary emergency generator (Emission Source TEMPG) in Emission Unit 0-U0005 in the Power Plant University Hospital (PPUH). The flue gases from this 2000 KW temporary emergency generator exit through its individual stack, identified as Emission Point Point 0TEMP.

The flue gases from the four 750 KW each replacement generators (Emission Sources GEN02, GEN03, GEN04 & GEN05) exit through their individual stacks, identified as Emission Points 0GEN2, 0GEN3, 0GEN4 & 0GEN5; respectively. And the flue gases from the 2000 KW temporary emergency generator (Emission Source TEMPG) exit through its own stack identified as Emission Point 0TEMP.

Each of the four (4) emergency generators combustes 53.6 gal/hr of diesel fuel @ 100% load. Each of the four (4) emergency generators operates a maximum of 500 hours per year.

Each of the emergency generators is allowed to operate up to 500 hours annually.

Emission Source/Control: GEN02 - Combustion
Design Capacity: 750 kilowatts

Emission Source/Control: GEN03 - Combustion
Design Capacity: 750 kilowatts

Emission Source/Control: GEN04 - Combustion
Design Capacity: 750 kilowatts

Emission Source/Control: GEN05 - Combustion
Design Capacity: 750 kilowatts

Emission Source/Control: TEMPG - Combustion
Design Capacity: 2,000 kilowatts

Item 77.12:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-U0006
Process: ETO Source Classification Code: 3-15-020-01

Process Description:

Process ETO in Emission Unit 0-U0006 consists of an Anprolene AN74i ethylene oxide gas sterilization unit (Emission Source ETO01), which will be used to sterilize medical equipment. The sterilizer has an abator (Anptolene EtO Abator, Model AN5100), which is identified as Emission Control ETO1C), and is designed to remove 99% of the ethylene oxide from the exhaust of the sterilization unit. The facility anticipates using about one hundred (100) 17.5 gram ETO capsules per year. Each EtO capsule is 17.5 grams of 100% EtO.

Since the unit requires a twelve (12) hour cycle to use a single 17.5 gram EtO capsule, the unit has a fixed two hour purge time, the 100 capsules take a maximum of 200 hours per year to purge. The hourly emission limit is based on 100 capsules of 17.5 grams each over 200 hours per year, and not 8760 hrs/yr.

Emissions are exhausted through a stack identified as Emission Point 0ETO1.

ERP EtO Emissions:

8,760 hr/yr x 12 hrs/cycle = 730 cycles/yr or 730 cycles/yr x 1 capsule/cycle = 730 capsules/yr

730 cycles/yr x 17.5 grams/cycle x 1 lb/454 grams = 28.139 lb/yr of EtO

17.5 grams/cycle x 1 lb/454 grams x 1 cycle/ 2 hrs = 0.01927 lb/hr of EtO

PTE EtO Emissions:

8,760 hr/yr x 12 hrs/cycle = 730 cycles/yr or 730 cycles/yr x 1 capsule/cycle = 730 capsules/yr

730 capsules/yr x 17.5 grams/capsule x 1 lb/454 grams x (100 - 99)/100 = 0.28139 lb/yr of EtO

17.5 grams/capsule x 1 capsule/2 hrs x 1 lb/454 grams x (100-99)/100 = 0.000193 lb/hr of EtO

Actual EtO Emissions:

17.5 grams/capsule x 1 capsule/2 hrs x 1 lb/454 grams x (100-99)/100 = 0.000193 lb/hr of EtO

or

17.5 grams/capsule x 100 capsules/yr x 1 lb/454 grams x (100 - 99)/100 x 1 yr/200 hrs = 0.000193 lbs/hr of EtO

17.5 grams/capsule x 1capsules/ 2 hrs x 1 lb/454 grams x (100 - 99)/100 x 200 hrs/yr = 0.03855 lbs/yr of EtO

Emission Source/Control: ETO1C - Control
Control Type: CATALYTIC REDUCTION

Emission Source/Control: ETO01 - Process
Design Capacity: 2.38 cubic feet

Item 77.13:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-U0007
Process: 2F7 Source Classification Code: 1-03-005-02
Process Description:

Process 2F7 consists of five (5) identical boilers with a maximum heat input of 50 MM Btu/hr each, firing on # 2 distillate fuel oil in Emission Unit 0-U0007. The boilers are identified as Emission Sources S0011, S0012, S0013, S0014 and S0015. These five (5) boilers are dual-fuel, they also fire natural gas as the primary fuel, and # 2 distillate fuel oil as the back-up fuel.

The emissions from these five (5) boilers are exhausted through the existing stack identified as Emision Point E0001.

These five (5) boilers are being installed to replace the five (5) boilers in Emiaaion Unit 0-U0001. The boilers will be replaced in three (3) phases. During Phase 1 (anticipated November, 2015), two 50 MM Btu/hr each temporary boilers will be installed (EU: 0-TEMP1). During Phase 2 (anticipated March, 2016), two of the old 42 MM Btu/hr each boilers (EU: 0-U0001) will be removed, then two (2) new boilers (EU: 0-U0007) will be installed. During Phase 3 (anticipated December, 2016), the remaining three (3) old boilers (EU: 0-U0001) will be removed, and the final three (3) new boilers (EU: 0-U0007) will be installed.

Final Phase: Anticipated April, 2017. Once the five (5) new 50 MM Btu/hr each boilers are installed, the two (2) temporary boilers (Emission Sources TMPB1 & TMPB2) in Emission Unit 0-TEMP1 will be removed.

Emission Source/Control: S0011 - Combustion

Design Capacity: 50 million Btu per hour

Emission Source/Control: S0012 - Combustion
Design Capacity: 50 million Btu per hour

Emission Source/Control: S0013 - Combustion
Design Capacity: 50 million Btu per hour

Emission Source/Control: S0014 - Combustion
Design Capacity: 50 million Btu per hour

Emission Source/Control: S0015 - Combustion
Design Capacity: 50 million Btu per hour

Item 77.14:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-U0007
Process: NG7 Source Classification Code: 1-03-006-02
Process Description:

Process NG7 consists of five (5) identical boilers with a maximum heat input of 50 MM Btu/hr each, firing on natural gas in Emission Unit 0-U0007. The five (5) boilers are identified as Emission Sources S0011, S0012, S0013, S0014 and S0015. These five (5) boilers are dual-fuel, they also fire # 2 distillate fuel oil as the back-up fuel, and natural gas as the primary fuel.

The emissions from these five (5) boilers are exhausted through the existing stack identified as Emision Point E0001.

These five (5) boilers are being installed to replace the five (5) boilers in Emiaaion Unit 0-U0001. The boilers will be replaced in three (3) phases. During Phase 1 (anticipated November, 2015), two 50 MM Btu/hr each temporary boilers will be installed (EU: 0-TEMP1). During Phase 2 (anticipated March, 2016), two of the old 42 MM Btu/hr Combustion Engineering/ Verticle 9 each boilers (EU: 0-U0001) will be removed, then two (2) new boilers (EU: 0-U0007) will be installed. During Phase 3 (anticipated December, 2016), the remaining three (3) old boilers (EU: 0-U0001) will be removed, and the final three (3) new boilers (EU: 0-U0007) will be installed.

Final Phase: Anticipated April, 2017. Once the five (5) new 50 MM Btu/hr each boilers are installed, the two (2) temporary boilers (Emission Sources TMPB1 & TMPB2) in Emission Unit 0-TEMP1 will be removed.

Emission Source/Control: S0011 - Combustion
Design Capacity: 50 million Btu per hour

Emission Source/Control: S0012 - Combustion
Design Capacity: 50 million Btu per hour

Emission Source/Control: S0013 - Combustion
Design Capacity: 50 million Btu per hour

Emission Source/Control: S0014 - Combustion
Design Capacity: 50 million Btu per hour

Emission Source/Control: S0015 - Combustion
Design Capacity: 50 million Btu per hour

Condition 78: Emission Unit Permissible Emissions
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 78.1:
The sum of emissions from all regulated processes specified in this permit for the emission unit cited
shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: 0-TEMP1

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 0.15 pounds per hour
1,333 pounds per year

Emission Unit: 0-U0001

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 10.99 pounds per hour
96,272 pounds per year

Emission Unit: 0-U0002

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 1.84 pounds per hour
16,150 pounds per year

Emission Unit: 0-U0003

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 0.02 pounds per hour
139 pounds per year

Emission Unit: 0-U0004

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 0.03 pounds per hour
129 pounds per year

Emission Unit: 0-U0005

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 26.82 pounds per hour
13,410 pounds per year

Emission Unit: 0-U0007

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 0.38 pounds per hour
3,332 pounds per year

Emission Unit: 0-TEMP1

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 14.3 pounds per hour
125,143 pounds per year

Emission Unit: 0-U0001

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 77 pounds per hour
674,520 pounds per year

Emission Unit: 0-U0002

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 1.8 pounds per hour
15,800 pounds per year

Emission Unit: 0-U0003

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 1.49 pounds per hour
13,090 pounds per year

Emission Unit: 0-U0004

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

PTE(s): 37.29 pounds per hour
29,263 pounds per year

Emission Unit: 0-U0005

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 70 pounds per hour
35,201 pounds per year

Emission Unit: 0-U0007

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 35.71 pounds per hour
312,857 pounds per year

Condition 79: Process Permissible Emissions
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 79.1:
The sum of emissions from the regulated process cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: 0-TEMP1 Process: 2FT

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 0.15 pounds per hour
1,333 pounds per year

Emission Unit: 0-TEMP1 Process: NGT

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 0.06 pounds per hour
515 pounds per year

Emission Unit: 0-U0001 Process: GAS

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 0.12 pounds per hour
1,082 pounds per year

Emission Unit: 0-U0001 Process: OIL

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

PTE(s): 10.99 pounds per hour
96,727 pounds per year

Emission Unit: 0-U0002 Process: 002

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 1.84 pounds per hour
16,150 pounds per year

Emission Unit: 0-U0003 Process: 2FO

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 0.02 pounds per hour
139 pounds per year

Emission Unit: 0-U0003 Process: NAT

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 0.01 pounds per hour
54 pounds per year

Emission Unit: 0-U0004 Process: FO2

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 0.01 pounds per hour
87.6 pounds per year

Emission Unit: 0-U0004 Process: GEN

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 0.018 pounds per hour
9.1 pounds per year

Emission Unit: 0-U0004 Process: NG1

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 0.01 pounds per hour
46 pounds per year

Emission Unit: 0-U0005 Process: GN1

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 26.82 pounds per hour
13,410 pounds per year

Emission Unit: 0-U0007 Process: 2F7

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 0.38 pounds per hour
3,332 pounds per year

Emission Unit: 0-U0007 Process: NG7

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 0.15 pounds per hour
1,288 pounds per year

Emission Unit: 0-TEMP1 Process: 2FT

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 14.3 pounds per hour
125,143 pounds per year

Emission Unit: 0-TEMP1 Process: NGT

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 9.8 pounds per hour
85,882 pounds per year

Emission Unit: 0-U0001 Process: GAS

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 20.59 pounds per hour
180,353 pounds per year

Emission Unit: 0-U0001 Process: OIL

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 77 pounds per hour
674,520 pounds per year

Emission Unit: 0-U0002 Process: 002

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 1.8 pounds per hour
15,800 pounds per year

Emission Unit: 0-U0003 Process: 2FO

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN
PTE(s): 1.49 pounds per hour
13,090 pounds per year

Emission Unit: 0-U0003 Process: NAT

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 1.03 pounds per hour
8,983 pounds per year

Emission Unit: 0-U0004 Process: FO2

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 1.29 pounds per hour
11,263 pounds per year

Emission Unit: 0-U0004 Process: GEN

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 36 pounds per hour
18,000 pounds per year

Emission Unit: 0-U0004 Process: NG1

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 0.88 pounds per hour
7,729 pounds per year
3.8 tons per year

Emission Unit: 0-U0005 Process: GN1

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 70 pounds per hour
35,201 pounds per year

Emission Unit: 0-U0007 Process: 2F7

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 35.7 pounds per hour
312,857 pounds per year

Emission Unit: 0-U0007 Process: NG7

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 24.5 pounds per hour

214,706 pounds per year

Condition 80: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 80.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-U0001 Emission Point: E0001
Process: OIL

Item 80.2:
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-six-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
Reference Test Method: Method 9
Monitoring Frequency: DAILY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 81: EPA Region 2 address.
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 81.1:
This Condition applies to Emission Unit: 0-U0003

Item 81.2:
All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

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

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

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

Condition 82: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-U0003
Process: 2FO Emission Source: S0007

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

Item 82.2:
Compliance Certification shall include the following monitoring:

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.5 percent by weight
Monitoring Frequency: PER DELIVERY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 83: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 83.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-U0003 Emission Point: E0003
Process: 2FO Emission Source: S0007

Item 83.2:
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-six-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
Reference Test Method: Method 9
Monitoring Frequency: DAILY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 84: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 84.1:
This Condition applies to Emission Unit: 0-U0003 Emission Point: E0003
Process: 2FO Emission Source: S0007

Item 84.2:
This emission source is subject to the applicable general provisions of 40 CFR 60. The facility

owner is responsible for complying with all applicable technical, administrative and reporting requirements.

Condition 85: Applicability of this Subpart to this emission source
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 85.1:
This Condition applies to Emission Unit: 0-U0003 Emission Point: E0003
Process: 2FO Emission Source: S0007

Item 85.2:
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 86: Exemption from the averaging period.
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 86.1:
This Condition applies to Emission Unit: 0-U0003 Emission Point: E0003
Process: 2FO Emission Source: S0007

Item 86.2:
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 87: Enforceability
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 87.1:
This Condition applies to Emission Unit: 0-U0003 Emission Point: E0003
Process: 2FO Emission Source: S0007

Item 87.2:
The sulfur dioxide emission limits, percentage reductions, and fuel oil sulfur limitations shall apply at all times, including periods of startup, shutdown, and malfunction.

Condition 88: Alternative compliance method for sulfur dioxide.
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 88.1:
This Condition applies to Emission Unit: 0-U0003 Emission Point: E0003
Process: 2FO Emission Source: S0007

Item 88.2:
Oil fired facilities demonstrating compliance with the sulfur dioxide standard through sampling and analysis must test every shipment of oil after the initial approval.

Condition 89: Alternative compliance methods for sulfur dioxide.
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 89.1:
This Condition applies to Emission Unit: 0-U0003 Emission Point: E0003
Process: 2FO Emission Source: S0007

Item 89.2:
Facilities demonstrating compliance through vender certification shall follow the compliance procedures listed in paragraphs 40 CFR 60-Dc.48c(f)(1), (2), or (3), as applicable.

Condition 90: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 90.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-U0003 Emission Point: E0003
Process: 2FO Emission Source: S0007

Item 90.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
THE FACILITY OWNER AND/OR OPERATOR MUST

DEMONSTRATE COMPLIANCE WITH THE
REQUIREMENTS OF 40 CFR 60.42c(h).
FACILITIES DEMONSTRATING COMPLIANCE USING
THE FUEL SUPPLIER CERTIFICATION, FOR
SULFUR-IN-FUEL LIMITATIONS (BASED ON A
PERCENT BY WEIGHT OF SULFUR IN THE FUEL),
SHALL SUBMIT THE CERTIFICATION IN
ACCORDANCE WITH THE PROVISIONS OF 40 CFR
60.48c(f)(1), (2), AND (3), AS
APPLICABLE.

Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.5 percent by weight
Monitoring Frequency: SINGLE OCCURRENCE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 91: Exemption from sulfur dioxide monitoring requirements.
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 91.1:
This Condition applies to Emission Unit: 0-U0003 Emission Point: E0003
Process: 2FO Emission Source: S0007

Item 91.2:
Facilities subject to paragraphs 40 CFR 60-Dc.42c(h)(1), (2), or (3) showing compliance through vendor certification shall be exempt from section 40 CFR 60-Dc.46c.

Condition 92: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 92.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-U0003 Emission Point: E0003
Process: 2FO Emission Source: S0007

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

Item 92.2:
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: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 93: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 93.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-U0003 Emission Point: E0003
Process: 2FO Emission Source: S0007

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

Item 93.2:
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 keep records as required under §60.48c(d) including the following information.

Calendar dates covered in the reporting period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 94: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 94.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-U0003 Emission Point: E0003
Process: 2FO Emission Source: S0007

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

Item 94.2:
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 §60.43c shall keep records as required under §60.48c(d) including the following information.

Each 30-day average SO2 emission rate, or 30-day average sulfur content (weight percent), calculated during the reporting period, ending with the last 30-day period in the quarter; reasons for any noncompliance with the emission standards; and a description of corrective action taken.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 95: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 60.48c(e)(3), NSPS Subpart Dc

Item 95.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-U0003 Emission Point: E0003
Process: 2FO Emission Source: S0007

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

Item 95.2:
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 §60.43c shall keep records as required under §60.48c(d) including the following information.

Each 30-day average percent of potential SO2 emission rate calculated during the reporting period, ending with the last 30-day period in the quarter; reasons for any noncompliance with the emission standards; and a description of corrective action taken.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 96: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 96.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-U0003 Emission Point: E0003
Process: 2FO Emission Source: S0007

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

Item 96.2:
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 keep records as required under §60.48c(d) including the following information.

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 97: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 97.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-U0003 Emission Point: E0003
Process: 2FO Emission Source: S0007

Item 97.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day.

Monitoring Frequency: DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 98: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

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

Item 98.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-U0003 Emission Point: E0003
Process: 2FO Emission Source: S0007

Item 98.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record, for determining compliance with the NSPS

requirements.

** NOTE** Records shall be maintained for a minimum of five years to achieve compliance with the requirements of Title V.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 99: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 60.4207(b), NSPS Subpart IIII

Item 99.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004	Emission Point: 0NAB4
Process: GEN	Emission Source: GEN01
Emission Unit: 0-U0005	Emission Point: 0GEN2
Process: GN1	Emission Source: GEN02
Emission Unit: 0-U0005	Emission Point: 0GEN3
Process: GN1	Emission Source: GEN03
Emission Unit: 0-U0005	Emission Point: 0GEN4
Process: GN1	Emission Source: GEN04
Emission Unit: 0-U0005	Emission Point: 0GEN5
Process: GN1	Emission Source: GEN05
Emission Unit: 0-U0005	Emission Point: 0TEMP
Process: GN1	Emission Source: TEMPG

Item 99.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
The owner or operator of a stationary compression ignition internal combustion engine with a displacement of less than 30 liters per cylinder and which is subject to the requirements of subpart IIII of 40 CFR Part 60 may not fire diesel fuel above a maximum aromatic content of 35 percent per gallon as referenced in 40 CFR Part 80.510(b)

except that any diesel fuel purchased or otherwise obtained prior to October 1, 2010 may be used until depleted. Compliance shall be demonstrated by either sampling each delivery and conducting an appropriate analysis or by obtaining a certificate of analysis showing the aromatic content for each shipment of diesel fuel provided by the fuel supplier. In either case, the owner or operator must verify that any required fuel analysis has been conducted using methodology acceptable to the Department. Records of all certificates of analysis provided by the fuel supplier and on-site fuel sampling results must be maintained on site for a minimum of five years.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DIESEL OIL
Parameter Monitored: AROMATIC CONTENT
Upper Permit Limit: 35 percent
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 100: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 60.4207(b), NSPS Subpart IIII

Item 100.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004	Emission Point: 0NAB4
Process: GEN	Emission Source: GEN01
Emission Unit: 0-U0005	Emission Point: 0GEN2
Process: GN1	Emission Source: GEN02
Emission Unit: 0-U0005	Emission Point: 0GEN3
Process: GN1	Emission Source: GEN03
Emission Unit: 0-U0005	Emission Point: 0GEN4
Process: GN1	Emission Source: GEN04
Emission Unit: 0-U0005	Emission Point: 0GEN5
Process: GN1	Emission Source: GEN05
Emission Unit: 0-U0005	Emission Point: 0TEMP
Process: GN1	Emission Source: TEMPG

Item 100.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
The owner or operator of a stationary compression ignition internal combustion engine displacing less than 30 liters per cylinder and which is subject to the requirements of subpart IIII of 40 CFR Part 60 may not fire diesel fuel below a minimum cetane index of 40 as referenced in 40 CFR Part 80.510(b) except that any diesel fuel purchased or otherwise obtained prior to October 1, 2010 may be used until depleted. Compliance shall be demonstrated by either sampling each delivery and conducting an appropriate analysis or by obtaining a certificate of analysis showing the cetane index for each shipment of diesel fuel provided by the fuel supplier. In either case, the owner or operator must verify that any required fuel analysis has been conducted using methodology acceptable to the Department. Records of all certificates of analysis provided by the fuel supplier and on-site fuel sampling results must be maintained on site for a minimum of five years.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DIESEL OIL
Parameter Monitored: CETANE INDEX
Lower Permit Limit: 40 ratio
Monitoring Frequency: PER DELIVERY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 101: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 60.4207(b), NSPS Subpart IIII

Item 101.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004	Emission Point: 0NAB4
Process: GEN	Emission Source: GEN01
Emission Unit: 0-U0005	Emission Point: 0GEN2
Process: GN1	Emission Source: GEN02
Emission Unit: 0-U0005	Emission Point: 0GEN3
Process: GN1	Emission Source: GEN03
Emission Unit: 0-U0005	Emission Point: 0GEN4
Process: GN1	Emission Source: GEN04

Emission Unit: 0-U0005 Emission Point: 0GEN5
Process: GN1 Emission Source: GEN05

Emission Unit: 0-U0005 Emission Point: 0TEMP
Process: GN1 Emission Source: TEMPG

Item 101.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
The owner or operator of a stationary compression ignition internal combustion engine displacing less than 30 liters per cylinder and which is subject to the requirements of subpart IIII of 40 CFR Part 60 may not fire any diesel fuel which exceeds a sulfur content of 15 ppm as per the non-road diesel fuel sulfur content standard set forth in 40 CFR Part 80.510(b) except that any diesel fuel purchased or otherwise obtained prior to October 1, 2010 may be used until depleted. Compliance shall be demonstrated by either sampling each delivery and conducting an appropriate analysis or by obtaining a certificate of analysis showing the sulfur content or range of sulfur content for each shipment of non-road diesel fuel provided by the fuel supplier. In either case, the owner or operator must verify that any required fuel analysis has been conducted using methodology acceptable to the Department. Records of all certificates of analysis provided by the fuel supplier and on-site fuel sampling results must be maintained on site for a minimum of five years.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DIESEL OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 15 parts per million by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 102: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 60.4209(a), NSPS Subpart IIII

Item 102.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004 Emission Point: 0NAB4
Process: GEN Emission Source: GEN01

Emission Unit: 0-U0005 Emission Point: 0GEN2
Process: GN1 Emission Source: GEN02

Emission Unit: 0-U0005 Emission Point: 0GEN3
Process: GN1 Emission Source: GEN03

Emission Unit: 0-U0005 Emission Point: 0GEN4
Process: GN1 Emission Source: GEN04

Emission Unit: 0-U0005 Emission Point: 0GEN5
Process: GN1 Emission Source: GEN05

Emission Unit: 0-U0005 Emission Point: 0TEMP
Process: GN1 Emission Source: TEMPG

Item 102.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of an emergency stationary compression ignition IC engine must install and maintain a non-resettable hour meter prior to startup to monitor engine usage

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 103: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:40CFR 60.4211(a), NSPS Subpart IIII

Item 103.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-U0004 Emission Point: 0NAB4
Process: GEN Emission Source: GEN01

Emission Unit: 0-U0005 Emission Point: 0GEN2
Process: GN1 Emission Source: GEN02

Emission Unit: 0-U0005 Emission Point: 0GEN3
Process: GN1 Emission Source: GEN03

Emission Unit: 0-U0005 Emission Point: 0GEN4
Process: GN1 Emission Source: GEN04

Emission Unit: 0-U0005 Emission Point: 0GEN5
Process: GN1 Emission Source: GEN05

Emission Unit: 0-U0005 Emission Point: 0TEMP
Process: GN1 Emission Source: TEMPG

Item 103.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of a stationary CI internal combustion engine must comply with the emission standards specified in 40 CFR 60 Subpart IIII and must do all of the following:

(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer; and

(3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to the facility

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 104: Compliance Certification
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable Federal Requirement:6 NYCRR 201-6.2 (d) (3) (i)

Item 104.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-U0006 Emission Point: 0ETO1
Process: ETO Emission Source: ETO01

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 104.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The facility will keep records of the sterilization unit

operation (usage) on-site, via logbooks and purchasing records. Records must be kept on site for five (5) years.

Records will be provided to NYSDEC upon request by regulatory agency.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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 105: Contaminant List
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable State Requirement:ECL 19-0301

Item 105.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000075-21-8
Name: ETHYLENE OXIDE

CAS No: 000630-08-0
Name: CARBON MONOXIDE

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

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

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

CAS No: 0NY508-00-0
Name: 40 CFR 60 SUBPART IIII - NMHC + NOX

Condition 106: Malfunctions and start-up/shutdown activities
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable State Requirement:6 NYCRR 201-1.4

Item 106.1:
(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, 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 department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or

malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

Condition 107: Visible Emissions Limited
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable State Requirement:6 NYCRR 211.2

Item 107.1:
Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

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

Condition 108: Compliance Demonstration
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable State Requirement:6 NYCRR Subpart 219-4

Item 108.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-U0002 Emission Point: E0002
Process: 002 Emission Source: S0006

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

Item 108.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The crematory shall be operated and maintained in accordance with the JK Environmental Contractor's Operation and Maintenance Manual for the Model SP-300 incinerator. Operating procedures shall be posted conspicuously in the vicinity of the incinerator and an operational scale shall be available to weigh each charge. A daily log of the incinerator start-up and shut-down times, description of waste charged, time and weight of the charge and the operator's name shall be maintained. Incinerator ash shall be stored in closed containers and the incinerator room shall be kept clean. Records of inspections, operation and maintenance shall be kept in an

orderly fashion and shall be maintained on site for five years for NYSDEC review.

Manufacturer Name/Model Number: JK ENVIRONMENTAL CONTRACTORS/SP-300
Reference Test Method: KEEP RECORDS
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 109: Compliance Demonstration
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable State Requirement:6 NYCRR 219-4.5 (a)

Item 109.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-U0002 Emission Point: E0002
Process: 002 Emission Source: S0006

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

Item 109.2:
Compliance Demonstration shall include the following monitoring:

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

No person may cause or allow emissions to the outdoor atmosphere having a six minute average opacity of 10 percent or greater based upon the six minute average in reference test Method 9 in Appendix a of 40 CFR 60 from any emission source subject to these requirements. The permittee must initially demonstrate compliance with the standards in this Subpart by either (1) on site testing, or (2) submittal of a test report for an identical incinerator tested in New York and approved by the commissioner.

Operators of incinerators that do not utilize a continuous opacity monitor (COM) for the measuring of smoke emissions or that do not have a certified visible emissions evaluator on site shall be required to perform the following:

1) once per day, during daylight hours except during conditions of extreme weather (fog, snow, rain), observe the stack or stacks of all incinerators which are

operating, at that time, for any visible emissions (visible emissions do not include steam plumes**),

2) record in a bound log book, the daily results of the visual observation - was there visible emissions observed - yes or no, including explanations for days when weather conditions prohibit such observations of visible emissions, and

3) maintain the data in this log book for five years.

If the operator observes any visible emissions, the operation of the incinerator shall be evaluated and any errors corrected immediately. If visible emissions greater than zero persist, a Method 9 analysis of the affected emission point(s) shall be conducted by a certified visible emissions evaluator within 2 business days of the initial occurrence. The operator must contact the Regional Air Pollution Control Engineer (for their location) within one business day of performing the Method 9 analysis, during normal business hours (8:00am to 4:00 pm), if the analysis shows an exceedence of the required standards for opacity. Upon notification any corrective actions or future compliance schedules shall be presented to the region for acceptance.

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

Process Material: BODIES
Manufacturer Name/Model Number: JK ENVIRONMENTAL / SP-300
Parameter Monitored: OPACITY
Upper Permit Limit: 10.0 percent
Reference Test Method: METHOD 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 110: Compliance Demonstration

Effective between the dates of 08/05/2015 and 08/04/2020

Applicable State Requirement:6 NYCRR 219-4.5 (b)

Item 110.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-U0002 Emission Point: E0002
Process: 002 Emission Source: S0006

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

Item 110.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
No person may operate a crematory facility unless the temperature in the secondary chamber described in section 219-4.4 of this Subpart is maintained at all times that waste is being burned.

Process Material: BODIES
Manufacturer Name/Model Number: JK ENVIRONMENTAL COMPANY / SP-300
Parameter Monitored: TEMPERATURE
Upper Permit Limit: 1800 degrees Fahrenheit
Reference Test Method: INSTANTANEOUS
Monitoring Frequency: CONTINUOUS
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 111: Compliance Demonstration
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable State Requirement:6 NYCRR 219-4.5 (b)

Item 111.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-U0002 Emission Point: E0002
Process: 002 Emission Source: S0006

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

Item 111.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
No person may operate a crematory facility unless the temperature in the primary chamber described in section 219-4.4 of this Subpart is maintained at all times that waste is being burned.

Process Material: BODIES
Manufacturer Name/Model Number: JK ENVIRONMENTAL COMPANY / SP-300
Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1400 degrees Fahrenheit
Reference Test Method: INSTANTANEOUS
Monitoring Frequency: CONTINUOUS
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 112: Compliance Demonstration
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable State Requirement:6 NYCRR 219-4.7

Item 112.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-U0002 Emission Point: E0002
Process: 002 Emission Source: S0006

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

Item 112.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Any person who owns or operates a crematory facility must install, operate and maintain in accordance with manufacturer's instructions, instruments meeting specifications acceptable to the commissioner for continuously monitoring and recording the primary combustion chamber exit temperature. Temperature charts produced by the continuous monitor/recorder shall demonstrate compliance with the combustion operating temperature requirements. Any malfunction of the monitor

or recorder shall be reported to the NYSDEC within 24 hours of occurrence and corrective action shall be implemented immediately. Records of operation, monitoring, maintenance and repair shall be kept onsite for five years and shall be readily available for NYSDEC review upon request.

Manufacturer Name/Model Number: HONEYWELL UDC2000 MONITOR/HONEYWELL DR4200GP RECORDER
Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1400 degrees Fahrenheit
Reference Test Method: INSTANTANEOUS
Monitoring Frequency: CONTINUOUS
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 113: Compliance Demonstration
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable State Requirement:6 NYCRR 219-4.7

Item 113.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-U0002 Emission Point: E0002
Process: 002 Emission Source: S0006

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

Item 113.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Any person who owns or operates a crematory facility must install, operate and maintain in accordance with manufacturer's instructions, instruments meeting specifications acceptable to the commissioner for continuously monitoring and recording the secondary (or last) combustion chamber exit temperature. Temperature charts produced by the continuous monitor/recorder shall demonstrate compliance with the combustion operating temperature requirements. Any malfunction of the monitor or recorder shall be reported to the NYSDEC within 24 hours of occurrence and corrective action shall be implemented immediately. Records of operation,

monitoring, maintenance and repair shall be kept onsite for five years and shall be readily available for NYSDEC review upon request.

Manufacturer Name/Model Number: HONEYWELL UDC2000 MONITOR/HONEYWELL DR4200GP RECORDER
Parameter Monitored: TEMPERATURE
Upper Permit Limit: 1800 degrees Fahrenheit
Reference Test Method: INSTANTANEOUS
Monitoring Frequency: CONTINUOUS
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 114: Compliance Demonstration
Effective between the dates of 08/05/2015 and 08/04/2020

Applicable State Requirement:6 NYCRR 219-4.11

Item 114.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-U0002 Emission Point: E0002
Process: 002 Emission Source: S0006

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

Item 114.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Inspection and reporting: Each owner or operator of a permitted crematory facility must annually inspect that facility and submit a report to the commissioner, certifying that the condition and operation of that facility, including the calibration of all instrumentation, meet manufacturer's specifications. Annual inspections shall be conducted by a qualified incinerator service technician. The Operation and Maintenance Manual for the JK Environmental SP-300 incinerator shall be utilized at all times and maintenance and calibration procedures performed shall be recorded. Records shall be kept on site for five years and shall be available for NYSDEC review upon request.

Reference Test Method: KEEP RECORDS
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2016.
Subsequent reports are due every 12 calendar month(s).