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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility
Permit ID: 7-5007-00030/00031
Effective Date: 02/28/2014 Expiration Date: 02/27/2019

Permit Issued To:CORNELL UNIVERSITY
300 DAY HALL
ITHACA, NY 14853-2801

Contact: PATRICK O MCNALLY
CORNELL UNIVERSITY ENV HEALTH & SAFETY
395 PINE TREE RD STE 210
ITHACA, NY 14850-2820
(607) 255-2304

Facility: CORNELL UNIVERSITY MAIN CAMPUS
COLLEGE AVE
ITHACA, NY 14853

Description:
Title V permit renewal. Consolidates all permits into one Title V.

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: JOSEPH M DLUGOLENSKI
1285 FISHER AVE
CORTLAND, NY 13045-1090

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 7 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 7 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 7 Headquarters
Division of Environmental Permits
615 Erie Blvd West
Syracuse, NY 13204-2400
(315) 426-7400

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

**ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To:CORNELL UNIVERSITY
300 DAY HALL
ITHACA, NY 14853-2801

Facility: CORNELL UNIVERSITY MAIN CAMPUS
COLLEGE AVE
ITHACA, NY 14853

Authorized Activity By Standard Industrial Classification Code:
8221 - COLLEGES AND UNIVERSITIES, NEC

Permit Effective Date: 02/28/2014 Permit Expiration Date: 02/27/2019

**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 201-3.3 (a): Trivial Sources - Proof of Eligibility
15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
18 6 NYCRR 202-1.1: Required Emissions Tests
19 6 NYCRR 202-1.1: Required Emissions Tests
20 40 CFR Part 68: Accidental release provisions.
21 40CFR 82, Subpart F: Recycling and Emissions Reduction
22 6 NYCRR Subpart 201-6: Emission Unit Definition
23 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
24 6 NYCRR 201-6.4 (f): Compliance Certification
25 6 NYCRR 201-6.4 (g): Non Applicable requirements
*26 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*27 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*28 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*29 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*30 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*31 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*32 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*33 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*34 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*35 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*36 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*37 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*38 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*39 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*40 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*41 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*42 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*43 6 NYCRR Subpart 201-7: Capping Monitoring Condition

*44 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*45 6 NYCRR Subpart 201-7: Capping Monitoring Condition
46 6 NYCRR 211.1: Air pollution prohibited
47 6 NYCRR 212.4 (a): Compliance Certification
48 6 NYCRR 212.4 (c): Compliance Certification
49 6 NYCRR 225-1.2: Compliance Certification
50 6 NYCRR 225-1.5 (c): Compliance Certification
51 6 NYCRR Part 226: Compliance Certification
52 6 NYCRR 227-1.3 (a): Compliance Certification
53 6 NYCRR 227-2.4 (d): Compliance Certification
54 6 NYCRR 231-10.5: Compliance Certification
55 6 NYCRR 231-11.2 (c): Compliance Certification
56 6 NYCRR 243-1.6: CAIR Ozone Season NOx
57 6 NYCRR 243-1.6 (e): Recordkeeping and reporting requirements
58 6 NYCRR 243-2.1: Authorization and responsibilities of CAIR designated representative
59 6 NYCRR 243-8.1: General requirements
60 6 NYCRR 243-8.1: Prohibitions
61 6 NYCRR 243-8.5: Compliance Certification
62 40CFR 52.21, Subpart A: Compliance Certification
63 40CFR 52.21, Subpart A: Compliance Certification
64 40CFR 52.21, Subpart A: Compliance Certification
65 40CFR 52.21, Subpart A: Compliance Certification
66 40CFR 52.21, Subpart A: Compliance Certification
67 40CFR 52.21, Subpart A: Compliance Certification
68 40CFR 52.21, Subpart A: Compliance Certification
69 40CFR 52.21, Subpart A: Compliance Certification
70 40CFR 52.21, Subpart A: Compliance Certification
71 40CFR 52.21, Subpart A: Compliance Certification
72 40CFR 52.21, Subpart A: Compliance Certification
73 40CFR 52.21, Subpart A: Compliance Certification
74 40CFR 52.21, Subpart A: Compliance Certification
75 40CFR 52.21, Subpart A: Compliance Certification
76 40CFR 52.21, Subpart A: Compliance Certification
77 40CFR 52.21, Subpart A: Compliance Certification
78 40CFR 52.21, Subpart A: Compliance Certification
79 40CFR 52.21, Subpart A: Compliance Certification
80 40CFR 52.21, Subpart A: Compliance Certification
81 40CFR 52.21, Subpart A: Compliance Certification
82 40CFR 52.21, Subpart A: Compliance Certification
83 40CFR 52.21, Subpart A: Compliance Certification
84 40CFR 52.21, Subpart A: Compliance Certification
85 40CFR 52.21, Subpart A: Compliance Certification
86 40CFR 52.21, Subpart A: Compliance Certification
87 40CFR 52.21, Subpart A: Compliance Certification
88 40CFR 52.21, Subpart A: Compliance Certification
89 40CFR 52.21, Subpart A: Compliance Certification
90 40CFR 52.21, Subpart A: Compliance Certification
91 40CFR 52.21, Subpart A: Compliance Certification
92 40CFR 52.21, Subpart A: Compliance Certification
93 40CFR 52.21, Subpart A: Compliance Certification
94 40CFR 52.21, Subpart A: Compliance Certification

95 40CFR 52.21, Subpart A: Compliance Certification
96 40CFR 52.21, Subpart A: Compliance Certification
97 40CFR 52.21, Subpart A: Compliance Certification
98 40CFR 52.21, Subpart A: Compliance Certification
99 40CFR 52.21, Subpart A: Compliance Certification
100 40CFR 52.21, Subpart A: Compliance Certification
101 40CFR 52.21, Subpart A: Compliance Certification
102 40CFR 52.21, Subpart A: Compliance Certification
103 40CFR 52.21, Subpart A: Compliance Certification
104 40CFR 52.21, Subpart A: Compliance Certification
105 40CFR 60.7, NSPS Subpart A: Compliance Certification
106 40CFR 60.8, NSPS Subpart A: Compliance Certification
107 40CFR 60.11, NSPS Subpart A: Compliance Certification
108 40CFR 60.13, NSPS Subpart A: Compliance Certification
109 40CFR 60, NSPS Subpart IIII: Compliance Certification
110 40CFR 60, NSPS Subpart JJJJ: Compliance Certification
111 40CFR 63.11177, Subpart HHHHHH: Compliance Certification
112 40CFR 63, Subpart JJJJJJ: Compliance Certification
113 40CFR 63.6100, Subpart YYYY: Compliance Certification
114 40CFR 63.6100, Subpart YYYY: Compliance Certification
115 40CFR 63.6145, Subpart YYYY: Compliance Certification
116 40CFR 63.6150, Subpart YYYY: Compliance Certification
117 40CFR 63.6155, Subpart YYYY: Compliance Certification
118 40CFR 63, Subpart ZZZZ: Compliance Certification
119 40 CFR Part 64: Compliance Certification
120 40CFR 82, Subpart B: Servicing of Motor Vehicle Air Conditioners (MVAC)

**Emission Unit Level**

121 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
122 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
123 6 NYCRR Subpart 201-7: Emission Unit Permissible Emissions

**EU=1-CHP01**

124 6 NYCRR 227-1.3 (a): Compliance Certification
125 6 NYCRR 227-1.4 (b): Compliance Certification

**EU=1-CHP01,Proc=67G**

126 6 NYCRR 227-2.4 (b) (1): Compliance Certification
127 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
128 40CFR 60.7(c), NSPS Subpart A: Compliance Certification
129 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
130 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
131 40CFR 60.11(d), NSPS Subpart A: Compliance with Standards and Maintenance Requirements
132 40CFR 60.12, NSPS Subpart A: Circumvention.
133 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
134 40CFR 60.44b(a)(1), NSPS Subpart Db: Compliance Certification
135 40CFR 60.46b, NSPS Subpart Db: Compliance methods for oxides of nitrogen.
136 40CFR 60.49b(d), NSPS Subpart Db: Compliance Certification
137 40CFR 60.49b(g), NSPS Subpart Db: Compliance Certification
138 40CFR 60.49b(h), NSPS Subpart Db: Compliance Certification
139 40CFR 60.49b(i), NSPS Subpart Db: Compliance Certification

140 40CFR 60.49b(o), NSPS Subpart Db: Records Retention

**EU=1-CHP01,Proc=67O**

141 6 NYCRR 225-2.3 (b) (1): Compliance Certification
142 6 NYCRR 227-1.2 (a) (1): Compliance Certification
143 6 NYCRR 227-2.4 (b) (1): Compliance Certification
144 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
145 40CFR 60.7(c), NSPS Subpart A: Compliance Certification
146 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
147 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
148 40CFR 60.11(d), NSPS Subpart A: Compliance with Standards and Maintenance Requirements
149 40CFR 60.12, NSPS Subpart A: Circumvention.
150 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
151 40CFR 60.42b(a), NSPS Subpart Db: Compliance Certification
152 40CFR 60.43b(f), NSPS Subpart Db: Compliance Certification
153 40CFR 60.44b(a)(1), NSPS Subpart Db: Compliance Certification
154 40CFR 60.46b, NSPS Subpart Db: Compliance methods for opacity.
155 40CFR 60.46b, NSPS Subpart Db: Compliance methods for oxides of nitrogen.
156 40CFR 60.49b(d), NSPS Subpart Db: Compliance Certification
157 40CFR 60.49b(g), NSPS Subpart Db: Compliance Certification
158 40CFR 60.49b(h), NSPS Subpart Db: Compliance Certification
159 40CFR 60.49b(i), NSPS Subpart Db: Compliance Certification
160 40CFR 60.49b(j), NSPS Subpart Db: Compliance Certification
161 40CFR 60.49b(o), NSPS Subpart Db: Records Retention

**EU=1-CHP01,Proc=B8C**

162 6 NYCRR 227-1.2 (a) (4): Compliance Certification
163 6 NYCRR 227-2.5 (c): Compliance Certification
164 6 NYCRR 257-1.4: Compliance Certification
165 6 NYCRR 257-1.4: Compliance Certification

**EU=1-CHP03**

166 6 NYCRR 227-2.4 (b) (1): Compliance Certification
167 6 NYCRR 227-2.5 (c): Compliance Certification
168 6 NYCRR 257-1.4: Compliance Certification

**EU=1-CHP06**

169 6 NYCRR 201-1.4 (a): Compliance Certification
170 6 NYCRR Subpart 202-1: Compliance Certification
171 6 NYCRR Subpart 202-1: Compliance Certification
172 40CFR 60, NSPS Subpart KKKK: Compliance Certification

**EU=1-CHP07**

*173 6 NYCRR Subpart 201-7: Capping Monitoring Condition
174 40CFR 60.4205(b), NSPS Subpart IIII: Compliance Certification
175 40CFR 60.4206, NSPS Subpart IIII: Compliance Certification
176 40CFR 60.4207, NSPS Subpart IIII: Compliance Certification
177 40CFR 60.4209(a), NSPS Subpart IIII: Compliance Certification
178 40CFR 60.4211(e), NSPS Subpart IIII: Compliance Certification

**EU=1-CHP08**

179 6 NYCRR 227-2.4 (b) (1) (i): Compliance Certification
180 6 NYCRR 227-2.4 (b) (1) (ii): Compliance Certification
181 40CFR 60.44b, NSPS Subpart Db: Compliance Certification

**EU=1-CHP08,Proc=B9O**

182 40CFR 60.42b(j), NSPS Subpart Db: Compliance Certification
183 40CFR 60.43b(f), NSPS Subpart Db: Compliance Certification
184 40CFR 60.43b(f), NSPS Subpart Db: Compliance Certification
185 40CFR 60.48b(a), NSPS Subpart Db: Compliance Certification

**EU=1-FD001,Proc=GD1**

186 6 NYCRR 230.2 (a) (1): No gasoline transfer allowed at sites without Stage I controls installed, if required at that site.
187 6 NYCRR 230.2 (f): Requirements for gasoline transport vehicles delivering to Stage I controlled dispensing sites.
188 40CFR 63, Subpart CCCCCC: Compliance Certification

**EU=1-FD001,Proc=GD2**

189 40CFR 63, Subpart CCCCCC: Compliance Certification

**EU=2-PAINT**

190 40CFR 63.11176(a), Subpart HHHHHH: Compliance Certification

**EU=2-PAINT,Proc=PB2**

*191 6 NYCRR Subpart 201-7: Capping Monitoring Condition
192 6 NYCRR 228-1.3 (a): Compliance Certification
193 6 NYCRR 228-1.3 (b): Compliance Certification
194 6 NYCRR 228-1.3 (d): Surface Coating - Handling, storage and disposal
195 6 NYCRR 228-1.4: Compliance Certification
196 40CFR 60.310(c), NSPS Subpart EE: Compliance Certification

**EU=2-PAINT,Proc=PB3**

197 40CFR 63.11173(a), Subpart HHHHHH: Compliance Certification
198 40CFR 63.11173(c), Subpart HHHHHH: Compliance Certification

**EU=2-WDSHP,Proc=WS2**

199 6 NYCRR 228-2.4 (a): Compliance Certification

**EU=R-ENTL**

200 6 NYCRR 227-2.4 (c) (1) (i): Compliance Certification
201 6 NYCRR 227-2.4 (c) (1) (ii): Compliance Certification
202 40CFR 60.48c, NSPS Subpart Dc: Compliance Certification

**EU=R-ENTL ,Proc=RBO**

203 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Certification
204 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

205 ECL 19-0301: Contaminant List
206 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities

207 6 NYCRR 211.2: Visible Emissions Limited
208 6 NYCRR 212.4 (a): Compliance Demonstration
209 6 NYCRR 617.11 (d): 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 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 200.6**

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

**Condition 2:** **Fees**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**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 02/28/2014 and 02/27/2019**

**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 02/28/2014 and 02/27/2019**

**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 02/28/2014 and 02/27/2019**

**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 shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 6:** **Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**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 recordkeeping and reporting requirements of this permit;
- such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

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

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

iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

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

The address for the RAPCE is as follows:

NYSDEC Region 7 Headquarters
615 Erie Boulevard, West
Syracuse, NY 13204-2400

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 1/30/2015.
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**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.

Monitoring Frequency: ANNUALLY

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

**Condition 8: Recordkeeping requirements**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 202-2.5**

**Item 8.1:**
(a) The following records shall be maintained for at least five years:

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

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

**Condition 9: Open Fires - Prohibitions**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 215.2**

**Item 9.1:**
Except as allowed by Title 6 NYCRR Section 215.3, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

**Item 9.2**
Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:
(a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
(b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
(c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
(d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
(e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
(f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
(g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.

(h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
(i) Prescribed burns performed according to Part 194 of this Title.
(j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
(k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
(l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]**

**Condition 10: Maintenance of Equipment**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 10.1:**
Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

**Condition 11: Recycling and Salvage**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**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 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 201-1.8**

**Item 12.1:**
No person shall unnecessarily remove, handle or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

**Condition 13: Exempt Sources - Proof of Eligibility**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**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: Trivial Sources - Proof of Eligibility**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 14.1:**
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 15: Requirement to Provide Information**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 15.1:**
The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for 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 16: Right to Inspect**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 16.1:**
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 17: Off Permit Changes**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 17.1:**
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 18: Required Emissions Tests**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 202-1.1**

**Item 18.1:**

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 19: Required Emissions Tests**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 202-1.1**

**Item 19.1:**
For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

**Condition 20: Accidental release provisions.**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**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 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 82, Subpart F**

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

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

**Condition 22: Emission Unit Definition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 22.1:**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 1-CHP01
Emission Unit Description:
THIS EMISSION UNIT CONSISTS OF BOILERS 6,7 AND 8 EXHAUSTING THROUGH EP00001. BOILERS 6 AND 7 ARE IDENTICAL BOILERS. EACH IS CAPABLE OF FIRING NATURAL GAS AT 145 MMBTU/HR OR NO. 2 FUEL OIL AT 138 MMBTU/HR. BOILERS 6 and 7 ARE IGNITED USING NATURAL GAS. PROPANE MAY BE USED AS A BACKUP FUEL TO IGNITE BOILERS 6 & 7. BOILERS 6 AND 7 ARE SUBJECT TO NSPS Db. BOILER 8 IS A 248 MMBTU/HR COAL-FIRED OVERFEED STOKER BOILER. BOILER 8 IS NO LONGER FIRING COAL AND IS PENDING A FUEL SOURCE CONVERSION. BOILERS 6 AND 7 ARE ALSO PERMITTED TO BURN WASTE FUEL A FOR HEAT RECOVERY.

Building(s): 5510B

**Item 22.2:**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 1-CHP03
Emission Unit Description:
THIS EMISSION UNIT CONSISTS OF BOILER 5 EXHAUSTING THROUGH EP00003. BOILER 5 IS A 145 MMBTU/HR, NATURAL GAS-FIRED BOILER.

Building(s): 5510B

**Item 22.3:**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 1-CHP06
Emission Unit Description:
This emission unit consists of two (2) 15 MW stationary combustion turbine/generator sets with gas-fired heat recovery steam generators. Each combined cycle unit shall exhaust to a stack that rises to 180 feet above a reference base elevation of 832 feet msl with an exit diameter of 6 feet. As-built drawings or other documents

showing compliance shall be maintained on-site.

**Item 22.4:**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 1-CHP07
Emission Unit Description:
This Emission Unit consists of two (2) 1000 kW diesel engine/generator sets. The generators are used for emergency power generation, only.

**Item 22.5:**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 1-CHP08
Emission Unit Description:
This Emission Unit consists a 200 mmBtu/hr package boiler (designated Boiler 9) equipped with flue gas recirculation. This emission source, together with emission sources from the rental boiler emission unit, is subject to emission caps. Emissions will exhaust out the west stack, EP 00002. This boiler (Boiler 9) is ignited using natural gas. Propane may be used as a backup fuel to ignite Boiler 9.

Building(s): 5510B

**Item 22.6:**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 1-FD001
Emission Unit Description:
This emission unit consists of gasoline dispensing sites.

Building(s): 4008
CAMPUS

**Item 22.7:**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 2-PAINT
Emission Unit Description:
THIS EMISSION UNIT CONSISTS OF THE MAINTENANCE PAINT SPRAY BOOTH LOCATED IN THE PAINT SHOP. THE BOOTH IS USED TO APPLY SURFACE COATINGS TO A VARIETY OF METAL AND WOOD SUBSTRATES AS PART OF THE MAINTENANCE AND REPAIR OF UNIVERSITY EQUIPMENT/INFRASTRUCTURE . EXAMPLES OF SUCH ITEMS INCLUDE (BUT ARE NOT LIMITED TO) PUMPS, VALVES, DOORS, HANDRAILS, RADIATOR COVERS, AND HVAC DUCTWORK. IN ADDITION, THE PAINT BOOTH IS USED TO APPLY SURFACE COATINGS TO PURCHASED WOOD FURNITURE AND WOOD FURNITURE MADE IN THE CARPENTER SHOP FOR ON SITE USE. MISCELLANEOUS PAINT

STRIPPING OPERATIONS ARE INCLUDED IN THIS EMISSION UNIT.

Building(s): 4009

**Item 22.8:**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 2-WDSHP
Emission Unit Description:
THIS EMISSION UNIT CONSISTS OF THE ADHESIVE GLUE STATION LOCATED IN THE CARPENTER SHOP. ADHESIVE IS APPLIED TO WOOD BOARDS, PANELS, VENEER, AND OTHER SUBSTRATES USED TO MAKE WOOD FURNITURE FOR ON-SITE USE BY THE UNIVERSITY. THIS EMISSION UNIT IS AN EXEM PT ACTIVITY UNDER 6NYCRR PART 201-3.2(C)(17).

Building(s): 4009

**Item 22.9:**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: R-ENTL
Emission Unit Description:
This Emission Unit consists of two rental boilers. Only distillate oil is allowed to be combusted in these boilers, although the Rental Boilers are ignited using propane. The boilers are equipped with low NOx burners and flue gas recirculation. These emission sources are subject to emission caps. The owner or operator of these boilers shall not cause or allow emissions in excess of the thresholds in 6 NYCRR 231-13.6, Table 6. These boilers exhaust out the west stack, EP 00002.
The facility has installed Nebraska 75000 pph ULSD fuel-fired boilers in 2011 and 2012, and may install these boilers or boilers of similar design and lower heat input, provided that no new requirements are triggered and the boilers comply with the conditions in this permit applicable to rental boilers.

Building(s): 5510B

**Item 22.10:**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: V-ALKHY
Emission Unit Description:
Alkaline hydrolysis of carcass waste.

Building(s): 1150G

**Condition 23: Progress Reports Due Semiannually**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 23.1:**
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 24: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 24.1:**
The Compliance Certification activity will be performed for the Facility.

**Item 24.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Operational Flexibility Protocol - New Construction of general process sources; modifications to existing sources

The owner or operator may install a new air contamination source, or modify an existing emission source, provided that criteria pollutants, volatile organic compounds, hazardous air pollutants, and all other pollutants emitted from such device for which an annual guideline concentration (AGC) and/or short term guideline concentration (SGC) exist, meet all of the following conditions:

1. The device will not result in the emission of any A-rated contaminant with an emission rate potential equal to or greater than 1.0 pound/hr. A-rated contaminants are those contaminants listed with a "high" toxicity in the Department's most recent Air Guide 1 guidance document, and any other contaminants that may be A-rated by the Department. The owner or operator shall conduct emissions testing upon written request of the DEC in accordance with 6 NYCRR 202.

2. The device will not result in the emission of any

non-VOC contaminant, not given an A-rating, with an emission rate potential equal to or greater than 10 pounds/hr. The owner or operator shall conduct emissions testing upon written request of the DEC in accordance with 6 NYCRR 202.

3. The device shall not emit particulate matter in excess of 0.05 gr/dscf. The owner or operator shall conduct emissions testing upon written request of the DEC in accordance with 6 NYCRR 202.

4. The device shall not cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater, except only the emission of uncombined water. The owner or operator shall conduct emissions testing upon written request of the DEC in accordance with 6 NYCRR 202.

5. The owner or operator must identify all potential pollutants that could be emitted, including A-rated contaminants, hazardous air pollutants, VOCs, and non-VOC pollutants.

6. A facility-wide DAR-1 (formerly Air Guide 1) analysis must be completed using the DEC's DAR -1 screening software (or completed pursuant to a DEC-approved protocol) showing that there are no predicted off-site ambient concentrations in excess of the AGC or SGC for each contaminant. This analysis shall include all emissions of such pollutant, facility-wide.

7. If the installation or modification results in the emission of anypollutant not previously authorized or emitted in accordance with thispermit, or if the installation or modification results in an increase in the emission rate potential of a pollutant emitted at the facility,or if the change involves the installation or alteration of any air cleaning installation device or control equipment, the owner or operator shall submit to the DEC a notice of the intention to install or modify such source. Such notice shall be submitted no later than 30 days prior to the proposed installation.

8. The DEC reserves the right to require a permit modification to impose special conditions if DEC determines the proposed change may have a significant air quality impact. In such cases, upon receipt of any notice submitted by the owner or operator to the DEC as required in this permit, the DEC will respond within 15 days of receipt of such notice, and may require that the owner not undertake the proposed change without a permit modification.

9. No facility-wide emissions cap, stated in this permit, shall be exceeded.

10. The installation does not render the facility subject to any additional regulations or requirements;

11. The proposed change does not cause emissions to exceed any emission limit contained in regulations or applicable requirements; and

12. A summary of all activities conducted under this operational flexibility condition shall be reported to the DEC in the facility's annual compliance report.

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 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 25: Non Applicable requirements**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 25.1:**
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.

40 CFR Part 63, Subpart JJ
Reason: The wood furniture NESHAP is not applicable to Cornell's wood furniture coating operation because Cornell is not a major source of hazardous air pollutants, and previously used less than the material throughput threshold in 40 CFR Part 63, Subpart JJ.

40 CFR 63.11195
Reason: Boilers 5, 6, 7 and 9 are not subject to 40 CFR Part 63, Subpart JJJJJJ or any requirement in 40 CFR Part 63, Subpart JJJJJJ provided the boilers meet the definition of "gas-fired boiler" as defined in 40 CFR Part 63, Subpart JJJJJJ.

The rental boilers are not subject to 40 CFR Part 63, Subpart JJJJJJ or any requirement in 40 CFR Part 63, Subpart JJJJJJ provided the boilers meet the definition of "temporary boilers" as defined in 40 CFR Part 63, Subpart JJJJJJ. In an e-mail dated 1/29/2013, Mary Johnson of the

EPA concluded that the rental boilers are temporary boilers.

40 CFR Part 63, Subpart MMMM
Reason: The miscellaneous metal parts and products coating NESHAP is not applicable to Cornell's metal parts coating operation because Cornell is not a major source of hazardous air pollutants, and previously used less than the material throughput threshold in 40 CFR Part 63, Subpart MMMM.

40 CFR Part 63, Subpart RRRR
Reason: The metal furninture NESHAP is not applicable to Cornell's metal furniture coating operation because Cornell is not a major source of hazardous air pollutants, and previously used less than the material throughput threshold in 40 CFR Part 63, Subpart RRRR.

**Condition 26: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 26.1:**
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 63.5 (a) (1)

**Item 26.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 26.3:**
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 26.4:**
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 26.5:**

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 26.6:**
The Compliance Certification activity will be performed for the Facility.

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

**Item 26.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Emissions of all hazardous air pollutants, in aggregate, from the Cornell University Main Campus shall not exceed 24.9 tons per year, 12 month rolling average. Compliance shall be determined using emission factors approved by the Department.

Parameter Monitored: TOTAL HAP
Upper Permit Limit: 24.9 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 27: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 27.1:**
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
40 CFR 52.21

**Item 27.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 27.3:**

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 27.4:**
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 27.5:**
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 27.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06

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

**Item 27.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Combined fuel oil combustion in gas turbines 1 and 2 is limited to no more than 2,086,000 gallons per 12 month rolling period. Compliance shall be demonstrated through fuel use records.

Fuel oil use shall be monitored using a fuel flow meter.

On a semiannual basis, the owner or operator shall submit to the DEC a report stating whether fuel oil use was monitored. Additionally, if, during any 12 month rolling period the fuel use exceeds 2,086,000 gallons, the owner or operator shall submit to the DEC a written notice no later than 30 days after such occurrence.

Parameter Monitored: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Upper Permit Limit: 2086000 gallons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 28: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**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 Subpart 231-2
40 CFR 52.21

**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: 1-CHP06

Emission Unit: 1-CHP07

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

**Item 28.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The owner or operator shall not cause or allow combined emissions of volatile organic compounds from the two stationary gas turbines/heat recovery steam generator sets and the two emergecy diesel generator sets in excess of 39 tons per 12 month rolling period.

Compliance with this limit shall be determined by computing emissions for each device and summing emissions over each 12 month annual period. Emissions from each gas turbine shall be computed as the product of the heat input to the gas turbine/duct burner train and an emissions factor determined through stack emissions testing. Emissions from each emergency diesel generator shall be computed as the product of an emission factor (in pounds per bhp-hr), the capacity and the operating hours of the engines.

For each gas turbine/heat recovery steam generator train, the monthly VOC emissions are computed as the sum of the hourly VOC emissions in that period. For each gas turbine/heat recovery steam generator train, the hourly VOC emissions are computed as:

Pounds of VOC emitted = (VOCGTG)*(HIGTG) + (VOCGDG)*(HIGDG) + (VOCGTO)*(HIGTO) + (VOCGDO)*(HIGDO)

where:

VOCGTG is the lb VOC/mmBtu when firing natural gas in the gas turbine but not the duct burner;

HIGTG is the heat input from natural gas combution in the gas turbine when not firing the duct burner;

VOCGDG is the lb VOC/mmBtu when firing natural gas in both the gas turbine and the duct burner;

HIGDG is the heat input from natural gas firing in the gas turbine and the duct burner when operated at simultaneously;

VOCGTO is the lb VOC/mmBtu when firing ultra low sulfur diesel in the gas turbine but not the duct burner;

HIGTO is the heat input from ultra low sulfur diesel in the gas turbine when not firing the duct burner;

VOCGDO is the lb VOC/mmBtu when firing ultra low sulfur diesel in the gas turbine and natural gas in the duct burner;

HIGDO is the heat input from ultra low sulfur diesel in the gas turbine and natural gas in the duct burner when operated at simultaneously.

For each emergency diesel generator the monthly VOC emissions shall be computed as:

Pounds of VOC emitted = (VOC Factor)*(capacity)*(operating hours of the emergency diesel generator)

Where

(VOC Factor) = pounds VOC per bhp-hr, and

Capacity = the maximum rated capacity of each engine in brake horsepower.

The emissions factors for the combustion turbines shall be derived from stack emissions testing conducted in accordance with 6 NYCRR 202-1 and a protocol approved by the DEC. If multiple tests have been conducted, the emissions factors shall be based on the most recent tests upon written approval from the DEC. In the absence of test data, emissions factors shall be based on manufacturer's data.

Emission factors for the emergency diesel generators shall be derived from manufacturer's data unless engine-specific emissions testing is conducted at the request of the DEC.

On a calendar year basis, the owner or operator shall submit to the DEC a report stating the actual quantity of VOC emitted during each month, and for each 12 month rolling period ending in that calendar year reporting period. Additionally, if total combined emissions from the two stationary gas turbines during any 12 month rolling exceed 39 tons, the owner or operator shall notify the DEC of such excess emissions in writing no later than 30 days after such occurrence.

Parameter Monitored: VOC
Upper Permit Limit: 39 tons per year
Reference Test Method: EPA Method 320 or alternative approved by the DEC
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 29: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**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
40 CFR 52.21

**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:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GDG

Emission Unit: 1-CHP06
Process: GTG

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: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
This emission limit applies to the combustion of natural gas in each gas turbine, with or without operation of the duct burner, when the ambient temperatures less than or equal to 0 degrees F.

Emissions of NOx from each gas turbine shall not exceed 15 ppm by volume on a block hour average, measured on a dry basis and corrected to 15% oxygen. This emission limit shall not apply during periods of startup or shutdown.

Compliance with this limit shall be determined using continuous emission monitors that satisfy the requirement of 40 CFR Part 75 as described elsewhere in this permit.

On a calendar quarter basis, the owner or operator shall submit to the DEC, in a format acceptable to the DEC, a report of excess emissions and continuous emissions monitoring down time. The report shall identify each period of hourly emissions in excess of 15 ppm, corrected to 15% oxygen; the average value of the emission; the cause of the excess emission; and the corrective action taken. Periods of emissions in excess of 15 ppmdv, corrected to 15% oxygen, that occur during startup or shutdown shall be included in this report.

Manufacturer Name/Model Number: Continuous Emission Monitor
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 15 parts per million by volume (dry, corrected to 15% O2)
Reference Test Method: 40 CFR Part 75

Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 30: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**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

**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:
The Compliance Certification applies to:

Emission Unit: 1-CHP06

Emission Unit: 1-CHP07

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

**Item 30.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
The owner or operator shall not cause or allow combined emissions of carbon monoxide from the two stationary gas turbines/heat recovery steam generator sets and the two emergency diesel generators in excessof 99 tons per 12 month rolling period.

Emissions shall be computed as follows:

Tons of CO emitted per month = ((pounds CO emitted from gas turbine No. 1 in the calendar month) + (pounds CO emitted from gas turbine No. 2 in the calendar month)+ (pounds CO emitted from EDG No. 1) + (poundsCO emitted from EDG No. 2))/2000

Where the "pounds of CO emitted from gas turbine No. 1 in the calendar month" is the sum of all hourly CO emissions from gas turbine No. 1 in the month, and "pounds of CO emitted from gas turbine No. 2 in the calendar month" is the sum of all hourly CO emissions from gas turbine No. 2 in the month, both as measured using CEMs and the data substitution procedures in 40 CFR Part 75 as referred to below. Each hourly CO mass emission is computed as the product of the CO pounds/mmBtu, measured by the CEMs, and the gross heat input, measured by a fuel flow meter; and

Where the "pounds CO emitted from EDG No. 1" is the product of an emission factor, in units of pounds of CO/bhp-hr, the capacity of the engine, in brake horsepower, and the operating hours of EDG No. 1; and

Where the "pounds CO emitted from EDG No. 2" is the product of an emission factor, in units of pounds of CO/bhp-hr, the capacity of the engine, in brake horsepower, and the operating hours of EDG No.

2.

Emissions factors for EDG No 1. and EDG No. 2 shall be derived from manufacturer's data unless ngine-specific emissions testing is conducted at the request of the DEC.

CO Emissions from the combustion turbines shall be determined using continuous emission monitors that satisfy the requirements of 40 CFR Part 60, Appendices B and F, except as follows: during periods of missing data due to monitor down time, the missing data procedures of 40 CFR Part 75, Subpart D, Table 1 shall apply.

On a calendar year basis, the owner or operator shall submit to the DEC a report stating the actual quantity of CO emitted during each month, and for each 12 month rolling period ending in that calendar year reporting period. Additionally, if total combined emissions from the two stationary gas turbines and two EDGs during any 12 month rolling exceed 99 tons, the owner or operator shall notify the DEC of such excess emissions in writing no later than 30 days after such occurrence.

Manufacturer Name/Model Number: Continuous Emission Monitor
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 99 tons per year
Reference Test Method: 40 CFR Part 60, App B and F
Monitoring Frequency: CONTINUOUS
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 31: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 31.1:**
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

**Item 31.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 31.3:**
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 31.4:**
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 31.5:**
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 31.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06

Emission Unit: 1-CHP07

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

**Item 31.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The sulfur content of the ultra low sulfur diesel oil combusted in the gas turbines and EDGs shall not exceed 0.0015% by weight (15 ppm).

Compliance shall be determined through vendor certifications or, at the DEC's discretion, fuel analyses. The owner or operator shall maintain copies of vendor certifications for each lot delivery. The owner or operator shall conduct fuel analyses upon written request from the DEC or the EPA.

Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.0015 percent by weight
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 32: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 32.1:**
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

**Item 32.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 32.3:**
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 32.4:**
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 32.5:**
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 32.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GDG

Emission Unit: 1-CHP06
Process: GTG

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 32.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

This emission limit applies to the combustion of natural gas in either gas turbine, with or without operation of the duct burner, when the ambient temperature is less than or equal to zero degrees F.

Emissions of CO from each gas turbine shall not exceed 20 ppm by volume on a block hour average, measured on a dry basis and corrected to 15% oxygen. This emission limit shall not apply during periods of startup or shutdown.

Compliance with this limit shall be determined using continuous emission monitors that satisfy the requirement of 40 CFR Part 60 Appendices B and F as described elsewhere in this permit.

On a calendar quarter basis, the owner or operator shall submit to the DEC, in a format acceptable to the DEC, a report of excess emissions and continuous emissions monitoring down time. The report shall identify each period of hourly emissions in excess of 20 ppm, corrected to 15% oxygen; the average value of the emission; the cause of the excess emission; and the corrective action taken. Periods of emissions in excess of 20 ppmdv, corrected to 15% oxygen, that occur during startup or shutdown shall be included in this report.

Manufacturer Name/Model Number: Continuous Emission Monitor
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 20 parts per million by volume (dry, corrected to 15% O2)
Reference Test Method: 40 CFR Part 60 App B and F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 33: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 33.1:**
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

**Item 33.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 33.3:**
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 33.4:**
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 33.5:**
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 33.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06

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

**Item 33.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
This emission limit applies to the combustion of natural gas or ultra low sulfur diesel in each gas turbine with or without operation of the duct burner when the ambient temperature exceeds zero degrees F.

Emissions of carbon monoxide from each gas turbine/duct burner installation shall not exceed 10 ppm by volume on a block hour average, measured on a dry basis and corrected to 15% oxygen. This emission limit shall not apply during periods of startup or shutdown.

Compliance with this limit shall be determined using continuous emission monitors that satisfy the requirement of 40 CFR Part 60, Appendices B and F as described elsewhere in this permit.

On a calendar quarter basis, the owner or operator shall submit to the DEC, in a format acceptable to the DEC, a report of excess emissions and continuous emissions monitoring down time. The report shall identify each period of hourly emissions in excess of 10 ppm, corrected to 15% oxygen; the average value of the emission; the cause of the excess emission; and the corrective action taken. Periods of emissions in excess of 10 ppmdv, corrected to 15% oxygen, that occur during startup or shutdown shall be included in this report.

Manufacturer Name/Model Number: Continuous Emission Monitor
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 10 parts per million by volume (dry, corrected to 15% O2)
Reference Test Method: 40 CFR Part 60 App B and F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 34: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 34.1:**
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

**Item 34.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 34.3:**

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 34.4:**
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 34.5:**
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 34.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GDO

Emission Unit: 1-CHP06
Process: GTO

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

**Item 34.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
This emission limit applies to the combustion of ultra low sulfur diesel in either gas turbine while operating with or without the duct burner, when the ambient temperature is less than or equal to zero degrees F.

Emissions of CO from each gas turbine shall not exceed 30 ppm by volume on a block hour average, measured on a dry basis and corrected to 15% oxygen. This emission limit shall not apply during periods of startup or shutdown.

Compliance with this limit shall be determined using continuous emission monitors that satisfy the requirement

of 40 CFR Part 60, Appendices B and F as described elsewhere in this permit.

On a calendar quarter basis, the owner or operator shall submit to the DEC, in a format acceptable to the DEC, a report of excess emissions and continuous emissions monitoring down time. The report shall identify each period of hourly emissions in excess of 30 ppm, corrected to 15% oxygen; the average value of the emission; the cause of the excess emission; and the corrective action taken. Periods of emissions in excess of 30 ppmdv, corrected to 15% oxygen, that occur during startup or shutdown shall be included in this report.

Manufacturer Name/Model Number: Continuous Emission monitor
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 30 parts per million by volume (dry, corrected to 15% O2)
Reference Test Method: 40 CFR Part 60, App B and F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 35: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 35.1:**
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 63.5 (a) (1)

**Item 35.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 35.3:**
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 35.4:**
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 35.5:**
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 35.6:**
The Compliance Certification activity will be performed for the Facility.

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

**Item 35.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The owner or operator may not cause or allow the emission of any individual hazardous air pollutant in excess of 9.9 tons per 12 month rolling period (campus-wide total for all sources).

Emissions of each individual HAP, such as benzene, shall be summed, campus-wide. Compliance shall be demonstrated using emission factors approved by the Department.

Parameter Monitored: TOTAL HAP
Upper Permit Limit: 9.9 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 36: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 36.1:**
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
40 CFR 52.21

**Item 36.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 36.3:**
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 36.4:**
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 36.5:**
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 36.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06

Emission Unit: 1-CHP07

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

**Item 36.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
The owner or operator shall not cause or allow combined emissions of oxides of nitrogen from the two stationary gas turbines/heat recovery steam generator sets and the two emergency diesel generators in excess of 39 tons per 12 month rolling period.

Emissions shall be computed as follows:

Tons NOx emitted per month = ((pounds NOx emitted from gas turbine\duct burner No. 1 in the calendar month) + (pounds NOx emitted from gas turbine\duct burner No. 2 in the calendar month)+ (pounds NOx emitted from EDG No. 1) + (pounds NOx emitted from EDG No. 2))/2000

Where the "pounds of NOx emitted from gas turbine No. 1 in the calendar month" is the sum of all hourly NOx emissions from gas turbine No. 1 in the month, and "pounds of NOx emitted from gas turbine No. 2 in the calendar month" is the sum of all hourly NOx emissions from gas turbine No. 2 in the month, both as measured using CEMs and the procedures in 40 CFR Part 75. Each hourly NOx mass emission is computed as the product of the NOx pounds/mmBtu, measured by the CEMs, and the gross heat input, measured by a fuel flow meter; and

Where the "pounds NOx emitted from EDG No. 1" is the product of an emission factor, in units of pounds of NOx/bhp-hr, the capacity of the engine, in brake horsepower, and the operating hours of EDG No. 1; and

Where the "pounds NOx emitted from EDG No. 2" is the product of an emission factor, in units of pounds of NOx/bhp-hr, and the capacity of the engine, in brake horsepower, and the operating hours of EDG No. 2.

Emissions factors for EDG No 1. and EDG No. 2 shall be derived from manufacturer's data unless engine-specific emissions testing is conducted at the request of the DEC.

Emissions from the combustion turbines shall be determined using continuous emission monitors that satisfy the requirements of 40 CFR Part 75 as described elsewhere in this permit. The bias adjustment factors need not apply for determining compliance with this condition. During periods of missing data due to monitor down time, the missing data procedures of 40 CFR Part 75 shall apply.

On a calendar year basis, the owner or operator shall submit to the DEC a report stating the actual quantity of NOx emitted during each month, and for each 12 month rolling period ending in thatcalendar year reporting period. Additionally, if total combined emissions from the two stationary gas turbines during any 12 month rolling exceed 39 tons, the owner or operator shall notify

the DEC of such excess emissions in writing no later than
30 days after such occurrence.

Manufacturer Name/Model Number: Continuous Emission Monitor
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 39 tons per year
Reference Test Method: 40 CFR Part 75
Monitoring Frequency: CONTINUOUS
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 37: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 37.1:**
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
40 CFR 52.21

**Item 37.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 37.3:**
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 37.4:**
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 37.5:**
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 37.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GDO

Emission Unit: 1-CHP06
Process: GTO

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

**Item 37.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
This emission limit applies to the combustion of ultra low sulfur diesel in each gas turbine, with or without operation of the duct burner, when the ambient temperature is less than or equal to 0 degrees F.

Emissions of NOx from each gas turbine shall not exceed 25 ppm by volume on a block hour average, measured on a dry basis and corrected to 15% oxygen. This emission limit shall not apply during periods of startup or shutdown.

Compliance with this limit shall be determined using continuous emission monitors that satisfy the requirement of 40 CFR Part 75 as described elsewhere in this permit.

On a calendar quarter basis, the owner or operator shall submit to the DEC, in a format acceptable to the DEC, a report of excess emissions and continuous emissions monitoring down time. The report shall identify each period of hourly emissions in excess of 25 ppm, corrected to 15% oxygen; the average value of the emission; the cause of the excess emission; and the corrective action taken. Periods of emissions in excess of 25 ppmdv, corrected to 15% oxygen, that occur during startup or shutdown shall be included in this report.

Manufacturer Name/Model Number: Continuous Emission Monitor
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 25 parts per million by volume (dry,

corrected to 15% O2)
Reference Test Method: 40 CFR Part 75
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 38: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 38.1:**
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
40 CFR 52.21

**Item 38.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 38.3:**
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 38.4:**
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 38.5:**
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 38.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06

Process: GDO

Emission Unit: 1-CHP06
Process: GTO

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

**Item 38.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
This emission limit applies to the combustion of ultra low sulfur diesel in each gas turbine, with or without operation of the duct burner, when the ambient temperature exceeds 0 degrees F.

Emissions of NOx from each gas turbine shall not exceed 9.0 ppm by volume on a block hour average, measured on a dry basis and corrected to 15% oxygen. This emission limit shall not apply during periods of startup or shutdown.

Compliance with this limit shall be determined using continuous emission monitors that satisfy the requirement of 40 CFR Part 75 as described elsewhere in this permit.

On a calendar quarter basis, the owner or operator shall submit to the DEC, in a format acceptable to the DEC, a report of excess emissions and continuous emissions monitoring down time. The report shall identify each period of hourly emissions in excess of 9.0 ppm, corrected to 15% oxygen; the average value of the emission; the cause of the excess emission; and the corrective action taken. Periods of emissions in excess of 9.0 ppmdv, corrected to 15% oxygen, that occur during startup or shutdown shall be included in this report.

Manufacturer Name/Model Number: Continuous Emission Monitor
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 9.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: 40 CFR Part 75
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 39: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 39.1:**
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
40 CFR 52.21

**Item 39.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 39.3:**
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 39.4:**
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 39.5:**
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 39.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GDG

Emission Unit: 1-CHP06
Process: GTG

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

**Item 39.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

This emission limit applies to the combustion of natural gas in each gas turbine, with or without operation of the duct burner, when the ambient temperature exceeds 0 degrees F.

Emissions of NOx from each gas turbine shall not exceed 2.5 ppm by volume on a block hour average, measured on a dry basis and corrected to 15% oxygen. This emission limit shall not apply during periods of startup or shutdown.

Compliance with this limit shall be determined using continuous emission monitors that satisfy the requirement of 40 CFR Part 75 as described elsewhere in this permit.

On a calendar quarter basis, the owner or operator shall submit to the DEC, in a format acceptable to the DEC, a report of excess emissions and continuous emissions monitoring down time. The report shall identify each period of hourly emissions in excess of 2.5 ppm, corrected to 15% oxygen; the average value of the emission; the cause of the excess emission; and the corrective action taken. Periods of emissions in excess of 2.5 ppmdv, corrected to 15% oxygen, that occur during startup or shutdown shall be included in this report.

Manufacturer Name/Model Number: Continuous Emission Monitor
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 2.5 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: 40 CFR Part 75
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 40: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 40.1:**
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 231-8

**Item 40.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 40.3:**
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 40.4:**
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 40.5:**
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 40.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP08

Emission Unit: R-ENTL

Regulated Contaminant(s):
CAS No: 0NY075-02-5 PM 2.5

**Item 40.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
This condition is applicable to the rental boilers,
emission sources RBOI1 and RBOI2, and the package boiler,
emission source BOI09.

1. Total, combined emissions of PM-2.5 from the two

rental boilers and package boiler shall not exceed 9.9 tons per 12 month rolling period.

2. Emissions from each boiler shall be computed as the product of an emission rate, expressed in pounds of pm-2.5 per million Btu and the actual heat input for that boiler.

3. The emission rate used to compute emissions from the rental boilersshall be either (1) 0.05 pounds per million Btu or (2) a factor determined from on-site emissions testing, as directed by the DEC. However, in the event that predicted emissions from the sum of the rental boilers and package boiler, calculated using 0.05 pounds PM-2.5 per million Btu from the rental boilers, exceeds 9.0 tons in any 12-month rolling period, then boiler-specific emissions factors must be determined through on-site testing conducted in accordance with EPA-promulgated reference methods and a protocol approved by the Department. Annual emissions shall be computed using the highest value of three test runs.

The emission rate used to compute emissions from the package boiler shall be either (1) 0.03 pounds per million Btu or (2) a factor determined from on-site emissions testing, not to exceed 0.03 pounds per million Btu, as directed by the DEC.

4. On an annual basis, the owner or operator shall submit to the Department a report stating the amount of PM-2.5 emitted for each 12 month rolling period in that reporting period. Additionally, if PM-2.5 emissions during any 12 month rolling period exceed 9.9 tons, the owner operator shall submit to the Department a notification of such excess emission no later than 30 days of such occurrence.

Upper Permit Limit: 9.9 tons per year
Reference Test Method: EPA Methods 201A and 202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 41: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 41.1:**
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 231-8

**Item 41.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 41.3:**
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 41.4:**
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 41.5:**
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 41.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP08

Emission Unit: R-ENTL

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

**Item 41.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
This condition is applicable to the rental boilers,
emission sources RBOI1 and RBOI2, and the package boiler,
emission source BOI09.

1. Total, combined emissions of particulates from the two rental boilers and package boiler shall not exceed 24.5 tons per 12 month rolling period.

2. Emissions from each boiler shall be computed as the product of an emission rate, expressed in pounds of PM-10 per million Btu and the actual heat input for that boiler.

3. The emission rate used to compute emissions from the rental boilers shall be either (1) 0.05 pounds per million Btu or (2) a factor determined from on-site emissions testing, as directed by the DEC. However, in the event that predicted emissions from the sum of the two rental boilers and the package boiler, calculated using 0.05 pounds PM-10 per million Btu from the rental boilers, exceeds 18.0 tons in any 12-month rolling period, then boiler-specific emissions factors must be determined through on-site testing conducted in accordance with EPA-promulgated reference methods and a protocol approved by the Department. Annual emissions shall be computed using the highest value of three test runs.

The emission rate used to compute emissions from the package boiler shall be either (1) 0.03 pounds per million Btu or (2) a factor determined from on-site emissions testing, not to exceed 0.03 pounds per million Btu, as directed by the DEC.

4. On an annual basis, the owner or operator shall submit to the Department a report stating the amount of particulates emitted for each 12 month rolling period in that reporting period. Additionally, if particulate emissions during any 12 month rolling period exceed 24.5 tons, the owner operator shall submit to the Department a notification of such excess emission no later than 30 days of such occurrence.

Upper Permit Limit: 24.5 tons per year
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 42: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 42.1:**
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 231-8

**Item 42.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 42.3:**
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 42.4:**
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 42.5:**
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 42.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP08
Process: B9O

Emission Unit: R-ENTL
Process: RBO

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

**Item 42.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL

DEVICE PARAMETERS AS SURROGATE
Monitoring Description:

This condition applies to the fuel oil combusted in the rental boilers, emission sources RBOI1 and RBOI2, and the package boiler, emission source BIO09.

1. The sulfur content in the fuel shall not exceed 15 ppm by weight.

2. Compliance shall be demonstrated by combusting ultra low sulfur diesel fuel oil.

3. Vendor receipts shall be obtained for each fuel delivery and maintained for a period of two years.

4. On an annual basis, the owner or operator shall submit to the Department a report stating whether he or she has complied with this requirement.

Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 15 parts per million by weight
Reference Test Method: Vendor Receipts
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 43: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 43.1:**
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 231-6

**Item 43.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 43.3:**
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 43.4:**
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 43.5:**
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 43.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP08

Emission Unit: R-ENTL

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

**Item 43.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
This condition is applicable to the rental boilers, emission sources RBOI1 and RBOI2, and the package boiler BOI09.

1. Total, combined emissions of oxides of nitrogen from the two rental boilers and package boiler shall not exceed 39 tons per 12 month rolling period.

2. Emissions from each boiler shall be computed as the product of an emission rate, expressed in pounds of NOx (expressed as NO2) per million Btu and the actual heat input for that boiler.

3. The emission rate from the rental boilers used to compute emissions shall be measured in accordance with EPA-promulgated reference methods and a protocol approved by the Department. Emissions testing shall be conducted no later than 60 days after first commencing operation and at any other time when requested by the EPA or the Department. Emissions shall be computed using the highest

value of three test runs.

4. The emission rate from the package boiler, BOI09, used to compute emissions shall be measured using a continuous emission monitor in accordance with a CEM monitoring plan approved by the Department. Emissions of NOx to the atmosphere that are not monitored shall be computed using procedures approved by the Department.

5. During the period commencing with initial startup until the first emissions test is conducted, emissions shall be computed using the first emissions test. Thereafter, emissions shall be computed using the most recent emissions test from the date the test is completed and dates forward.

6. On an annual basis, the owner or operator shall submit to the Department a report stating the amount of NOx emitted for each 12 month rolling period in that reporting period. Additionally, if NOx emissions during any 12 month rolling period exceed 39 tons, the owner operator shall submit to the Department a notification of such excess emission no later than 30 days of such occurrence.

Upper Permit Limit: 39 tons per year
Reference Test Method: EPA Method 7E or equivalent
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 44: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 44.1:**
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 231-8
40 CFR 52.21

**Item 44.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 44.3:**
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 44.4:**
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 44.5:**
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 44.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP08

Emission Unit: R-ENTL

Regulated Contaminant(s):
CAS No: 0NY750-00-0 CARBON DIOXIDE EQUIVALENTS

**Item 44.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
This condition is applicable to the rental boilers, emission sources RBOI1 and RBOI2, and the package boiler, emission source BOI09.

1. Total, combined emissions of carbon dioxide (equivalent) from the two rental boilers and package boiler shall not exceed 74,000 tons per 12 month rolling period.

2. Emissions from each boiler shall be computed as the product of an emission rate, expressed in pounds of $CO_2$ (equivalent) per million Btu and the actual heat input for that boiler.

3. The emission rate used to compute emissions shall be either (1) 117.00 pounds CO2 per million Btu when combusting gas, (2) 163.60 pounds CO2 per million Btu when combusting oil, (3) an emission factor based on actual fuel sampling and analysis, approved by the DEC, or (4) a Btu-weighted factor when co-firing.

4. On an annual basis, the owner or operator shall submit to the Department a report stating the amount of CO2 emitted for each 12 month rolling period in that reporting period. Additionally, if CO2 emissions during any 12 month rolling period exceed 74,000 tons, the owner operator shall submit to the Department a notification of such excess emission no later than 30 days of such occurrence.

Parameter Monitored: CARBON DIOXIDE EQUIVALENTS
Upper Permit Limit: 74000 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 45: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 45.1:**
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 231-8

**Item 45.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 45.3:**
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 45.4:**
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 45.5:**
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 45.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP08

Emission Unit: R-ENTL

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

**Item 45.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
This condition is applicable to the rental boilers, emission sources RBOI1 and RBOI2, and the package boiler, emission source BOI09.

1. Total, combined emissions of PM-10 from the two rental boilers and package boiler shall not exceed 14.5 tons per 12 month rolling period.

2. Emissions from each boiler shall be computed as the product of an emission rate, expressed in pounds of PM-10 per million Btu and the actual heat input for that boiler.

3. The emission rate used to compute emissions from the rental boilers shall be either (1) 0.05 pounds per million Btu or (2) a factor determined from on-site emissions testing, as directed by the DEC. However, in the event that predicted emissions from the sum of the two rental boilers and package boiler, calculated using 0.05 pounds PM-10 per million Btu from the rental boilers, exceeds 12.0 tons in any 12-month rolling period, then boiler-specific emissions factors must be determined through on-site testing conducted in accordance with EPA-promulgated reference methods and a protocol approved

by the Department. Annual emissions shall be computed using the highest value of three test runs.

The emission rate used to compute emissions from the package boiler shall be either (1) 0.03 pounds per million Btu or (2) a factor determined from on-site emissions testing, not to exceed 0.03 pounds per million Btu, as directed by the DEC.

4. On an annual basis, the owner or operator shall submit to the Department a report stating the amount of PM-10 emitted for each 12 month rolling period in that reporting period. Additionally, if PM-10 emissions during any 12 month rolling period exceed 14.5 tons, the owner operator shall submit to the Department a notification of such excess emission no later than 30 days of such occurrence.

Upper Permit Limit: 14.5 tons per year
Reference Test Method: EPA Method 201a and 202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 46: Air pollution prohibited**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 46.1:**
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 47: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 212.4 (a)**

**Item 47.1:**
The Compliance Certification activity will be performed for the Facility.

**Item 47.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Process sources, such as the paint booth at Cornell emits A-rated contaminants and non-A-rated contaminants. For this facility, A-rated contaminants are those contaminants listed with a "high" toxicity in the Department's most recent DAR-1 (formerly Air Guide 1) guidance document, and any other contaminant that may be A-rated by the Department. All other pollutants are B-rated unless otherwise rated by the Department. This condition is applicable to pollutants that are also criteria pollutants or volatile organic compounds and is federally enforceable.

1. The emission rate potential of any A-rated pollutant shall not exceed 1.0 pound per hour, unless otherwise allowed in this permit.

2. The emission rate potential of any B-rated pollutant, excluding pollutants that are exempt under one of the provisions of 212.7, shall not exceed 10.0 pounds per hour.

3. The owner or operator shall not cause or allow the emission of any applicable pollutant at an emissions rate that results in predicted ambient concentrations in excess of the Annual Guideline Concentration (AGC) or the Short term Guideline Concentration (SGC) for each contaminant for which an environmental rating is assigned by the DEC. Compliance with this requirement shall be determined using DAR-1 (Air Guide 1) screening software or alternative procedures approved by the DEC. Records of such analyses shall be maintained on-site.

4. The owner or operator may use alternative coating formulations in the paint shop, provided that pollutants contained in such coating, for which an annual guideline concentration (AGC) and/or a short term guideline concentration (SGC) exist, meet all of the following conditions:

(a) The coating is compliant with 6 NYCRR Part 228-1;

(b) Items 1, 2 and 3 above are satisfied.

(c) The facility does not become subject to any additional regulations or requirements.

5. A DAR-1 (Air Guide 1) analysis in not required for the use of new coatings in the paint shop for which the

emission rate potential of each contaminant in that coating is less than the emission rate potential of that contaminant in other coatings for which prior modeling has been conducted, provided that such modeling has predicted no off-site ambient concentrations in excess of the AGC/SGC for each contaminant;

6. If the use of a new coating results in the emission of any pollutant not previously authorized or emitted in accordance with this permit, the owner or operator shall submit to the DEC a notice of the intention to use such coating. Such notice shall be submitted no later than 30 days prior to the use of the coating.

7. The DEC reserves the right to require a permit modification to impose special conditions if DEC determines the proposed changes may have a significant air quality impact. In such cases, upon receipt of any notice submitted by the owner or operator to the DEC as required in this permit, the DEC will respond within 15 days of receipt of such notice, and may require that the owner or operator not undertake the proposed change without a permit modification;

8. No physical changes shall be made to the coating device stack height, stack diameter, exhaust temperature, exhaust velocity, building height, length or width that would result in either a predicted (as determined using Air Guide 1) or real increase in ambient air impacts without a permit modification being filed with the Department; and

9. On a semi-annual calendar year basis, the owner or operator shall submit to the DEC a report stating whether it has complied with this requirement.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 48: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 212.4 (c)**

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

Emission Unit: 2-PAINT

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:

Cornell University operates emission sources that are subject to 6 NYCRR Part 212.4(c), such as a paint booth. This condition applies to the paint booth and all other process sources not otherwise exempt from Part 212.

No person will cause or allow emissions of solid particulates that exceed 0.05 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis, except as provided in section 201.6 of this Title.

Compliance shall be determined through emission testing conducted upon the written request of the DEC and in accordance with a protocol approved by the DEC and the requirements of 6 NYCRR 202-1.

On an annual basis the owner or operator shall state, in his or her annual compliance report, whether a test was conducted and if so, the results of such tests.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.05 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 49: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 225-1.2**

**Item 49.1:**
The Compliance Certification activity will be performed for the Facility.

**Item 49.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

No person will sell, offer for sale, purchase, or fire any fuel which exceeds the sulfur-in-fuel limitations stated below.

1. Owners and/or operators of any stationary combustion installation that fires oil are limited to the firing of oil with a sulfur content of 1.5% sulfur, by weigt, through June 30, 2014.

2. 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.

3. 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.

4. Owners and/or operators of any stationary combustion installation that fires distillate oil including number two heating oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016.

5. Owners and/or operators of any stationary combustion installation that fires waste oil on or after July 1, 2014 are limited to the firing of waste oil with 0.75 percent sulfur by weight or less.

6. Compliance shall be determined using fuel supplier certifications received each delivery.

7. The owner or operator shall submit to the DEC a written report of the fuel sulfur content exceeding the applicable sulfur-in-fuel limitation and the nature and cause of such exceedances if known, for each semi-annual period, within 30 days after the end of any semi-annual period in which an exceedances takes place. A report is not required if there is no exceedance.

8. All records must be maintained at the facility for a minimum of five years.

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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 50: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 225-1.5 (c)**

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

Emission Unit: 1-CHP01

Emission Unit: 1-CHP06

**Item 50.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Measurements must be made daily of the rate of each fuel fired. The gross heat content and ash content of each fuel fired must be determined at least once each week. In the case of stationary combustion installations producing electricity for sale, the average electrical output and the hourly generation rate must also be measured.

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.

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

**Condition 51: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Part 226**

**Item 51.1:**
The Compliance Certification activity will be performed for the Facility.

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

**Item 51.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
6NYCRR 226. Requirements for Cold Cleaning Degreasers
(For Title V after 12/31/2003)

A. Equipment Specifications

The following types of control equipment must be used when conducting cold cleaning degreasing, solvent metal cleaning:

(1) A cover which can be operated easily.
(2) An internal drainage facility (under cover), if practical.
(3) A control system that limits VOC emissions to those achievable with equipment having a freeboard ratio greater than or equal to 0.5, or a water cover when the solvent is insoluble in and heavier than water. This does not apply to remote reservoir degreasers.
(4) Solvent with a vapor pressure of 1.0 mm Hg, or less, at 20 C.

B. Operating Requirements:

When cold cleaning, the clean parts must be drained at least 15 seconds or until dripping ceases.

C. General Requirements:

A Person conducting solvent metal cleaning must:
(1) Store solvent in covered containers and transfer or dispose of waste solvent in such a manner that less than 20 percent of the waste solvent (by weight) can evaporate into the atmosphere.
(2) Maintain equipment to minimize leaks and fugitive emissions.
(3) Display at the equipment location a conspicuous summary of proper operating procedures consistent with minimizing emissions of VOCs.
(4) Keep the degreaser cover closed except when:

(a) parts are being placed into or being removed from the degreaser;
(b) adding or removing solvent from the degreaser;
(c) no solvent is in the degreaser; or
(d) when manually cleaning metal parts in the cold cleaning degreaser.
(5) Create and retain a record of solvent consumption for five years. This record must be made available to the Department upon request.
(6) Not clean sponges, fabric, wood, leather, paper products and other absorbent materials in a degreaser.
(7) If using a cold cleaning degreaser that is subject to paragraph 226.3(a)(4), retain a record of the following three items for five years and provide these records to the Department upon request. An invoice, a bill of sale, a certificate covering multiple sales, a Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this requirement.
(a) the name and address of the solvent supplier;
(b) the type of solvent including the product or vendor identification number; and
(c) the vapor pressure of the solvent measured in mm Hg at 20 °C (68 °F).
(8) Include in the semiannual monitoring report and annual compliance certifications ( required of all permitteres subject to Title V) the solvent consumption required under (5) above, as well as a statement that the premittee's obligations under items (1) through (7) above have been met for the period of the report or certification.. This statement must be based on the permittees observations on a daily basis that the operation of the solvent metal cleaning process has met the above criteria. The permittee must maintain a log of instances when the above have not been met, and such statement must summarize these instances.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 52: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

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

The Compliance Certification applies to:

Emission Unit: 1-CHP07
Process: G2E

Emission Unit: 1-CHP08
Process: B9O

Emission Unit: R-ENTL
Process: RBO

**Item 52.2:**
Compliance Certification shall include the following monitoring:

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

Cornell operates combustion devices, such as small boilers and emergency diesel generators, that are subject to the opacity standard of 6 NYCRR Part 227-1. This condition applies to such combustion devices.

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 permittee will conduct observations of visible emissions from the device to which this applies at the frequency stated below while the device 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 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 to determine the degree of opacity and will notify the DEC if the Method 9 test shows that the opacity standard was not met.

Records of visible emissions observations (including any follow up Method 9 tests), investigations and corrective actions will be kept on site.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA Method 9

Monitoring Frequency: WEEKLY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 53: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 53.1:**
The Compliance Certification activity will be performed for the Facility.

**Item 53.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Effective July 1, 2014, the owner or operator of a small boiler, small combustion turbine, or small stationary internal combustion engine must annually perform a tune-up and maintain, in a permanently bound log book, or other format approved in writing by the department, the following information:

(1) the date of the last tune-up;

(2) the name, title and affiliation of the person who made the adjustments; and

(3) any other information that the department may require.

On an annual basis, the owner or operator shall state whether he or she has complied with this condition.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 54: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 231-10.5**

**Item 54.1:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 54.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Cornell, with the closure and removal of Boiler 1, has created and been awarded 85.30 tons of NOx emission reduction credits.

On an annual basis, Cornell shall report to the DEC on the disposition of these emission reduction credits.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 55: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 231-11.2 (c)**

**Item 55.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP08

Emission Unit: R-ENTL

**Item 55.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The DEC issued to Cornell authorization to construct and operate two rental boilers and a package boiler, subject to the requirements of 6 NYCRR 231-11.2(c). The owner or operator must:

(1) maintain the following information for a minimum of five years:

(i) a description of the modification.

(ii) an identification of each new or modified emission source(s) including the associated processes and emission unit.

(iii) the calculation of the project emission potential for each modified emission source(s) including supporting documentation.

(iv) the date the modification commenced operation.

(2) monitor the emissions of each regulated NSR contaminant from the emission source(s) that will increase as a result of the modification, and calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five years following resumption of regular operations after the modification, or for a period of 10 years following resumption of regular operations after the change if the modification increases the design capacity of or potential to emit the regulated NSR contaminant at such emission source(s).

(3) submit a report to the department within 30 days after the end of each year during which records must be generated in accordance with Paragraph 231-11.2(c)(2) of this Part. The report must contain:

(i) the name, address, and telephone number of the major facility.

(ii) the annual emissions as calculated pursuant to Paragraph (c)(2) of this Section.

(iii) a comparison of actual annual emissions to the projected actual emissions and, if applicable, an explanation as to why the actual annual emissions exceeded the projected actual emissions.

The owner or operator shall submit to the DEC, in the annual certification report, a statement whether he or she has complied with this condition.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 56: CAIR Ozone Season NOx**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 243-1.6**

**Item 56.1:**
This Condition applies to:

Emission Unit: 1CHP06

**Item 56.2:**
§243-1.6 Standard requirements

1. Pursuant to 6 NYCRR 243-1.6(c)(1), as of the allowance transfer deadline for a control period, the owners and operators shall hold, in the CAIR NOx Ozone Season source's compliance account, CAIR NOx Ozone Season allowances available for compliance deductions for the control period under section 243-6.5(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NOx Ozone Season units at the source, as determined in accordance with Subpart 243-8.

2. Pursuant to 6 NYCRR 243-1.6(c)(3) and 243-6.5, a CAIR NOx Ozone Season allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of this section, for a control period in a calendar year before the year for which the CAIR NOx Ozone Season allowance was allocated, and only if the CAIR NOx Ozone Season allowances are held in the compliance account as of the allowance transfer deadline for the control period or are transferred into the compliance account by a CAIR NOx Ozone Season allowance transfer correctly submitted for recordation under 6 NYCRR 243-7.1 and 6 NYCRR 243-7.2 by the allowance transfer deadline for the control period.

3. The emissions measurements recorded and reported in accordance with Subpart 243-8 shall be used to determine compliance by each CAIR NOx Ozone Season source with the CAIR NOx Ozone Season emissions limitation under subdivision (c) of this section.

4. Pursuant to 6 NYCRR 243-1.6(d), if a CAIR NOx Ozone Season source emits nitrogen oxides during any control period in excess of the CAIR NOx Ozone Season emissions limitation, then:
(i) the owners and operators of the source and each CAIR NOx Ozone Season unit at the source shall surrender the CAIR NOx Ozone Season allowances required for deduction under 6 NYCRR 243-6.5(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Act or applicable State law; and

(2) each ton of such excess emissions and each day of such control period shall constitute a separate violation of this Subpart, the Act, and applicable State law.

**Condition 57: Recordkeeping and reporting requirements**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 243-1.6 (e)**

**Item 57.1:**
This Condition applies to:

Emission Unit: 1CHP06

**Item 57.2:**
Unless otherwise provided, the owners and operators of the CAIR NOx Ozone Season source and each CAIR NOx Ozone Season unit at the source shall keep on site at the source each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time before the end of five years, in writing by the department or the Administrator.

(i) The certificate of representation under section 243-2.4 for the CAIR designated representative for the source and each CAIR NOx Ozone Season unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such five-year period until such documents are superseded because of the submission of a new certificate of representation under section 243-2.4 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with Subpart 243-8, provided that to the extent that Subpart 243-8 provides for a three-year period for recordkeeping, the three-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NOx Ozone Season Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NOx Ozone Season Trading Program or to demonstrate compliance with the requirements of the CAIR NOx Ozone Season Trading Program.

**Condition 58: Authorization and responsibilities of CAIR designated representative**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 243-2.1**

**Item 58.1:**
This Condition applies to:

Emission Unit: 1CHP06

**Item 58.2:**
Except as provided under section 243-2.2, each CAIR NOx Ozone Season source, including all CAIR NOx Ozone Season units at the source, shall have one and only one CAIR designated representative, with regard to all matters under the CAIR NOx Ozone Season Trading Program concerning the source or any CAIR NOx Ozone Season unit at the source.

The CAIR designated representative of the CAIR NOx Ozone Season source shall be selected by an agreement binding on the owners and operators of the source and all CAIR NOx Ozone Season units at the source and shall act in accordance with the certification statement in section 243-2.4(a)(4)(iv).

Upon receipt by the Administrator of a complete certificate of representation under section

243-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the CAIR NOx Ozone Season source represented and each CAIR NOx Ozone Season unit at the source in all matters pertaining to the CAIR NOx Ozone Season Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding the source or unit.

No CAIR permit will be issued, no emissions data reports will be accepted, and no CAIR NOx Ozone Season Allowance Tracking System account will be established for a CAIR NOx Ozone Season unit at a source, until the Administrator has received a complete certificate of representation under section 243-2.4 for a CAIR designated representative of the source and the CAIR NOx Ozone Season units at the source.

Each submission under the CAIR NOx Ozone Season Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR NOx Ozone Season source on behalf of which the submission is made. Each such submission shall include the following certification statement by the CAIR designated representative: "I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

**Condition 59: General requirements**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 243-8.1**

**Item 59.1:**
This Condition applies to:

Emission Unit: 1CHP06

**Item 59.2:**
The owners and operators, and to the extent applicable, the CAIR designated representative, of a CAIR NOx Ozone Season unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in this Subpart and in Subpart H of 40 CFR Part 75. For purposes of complying with such requirements, the definitions in section 243-1.2 and in 40 CFR 72.2 shall apply, and the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in 40 CFR Part 75 shall be deemed to refer to the terms "CAIR NOx Ozone Season unit," "CAIR designated representative," and "continuous emission monitoring system" (or "CEMS") respectively, as defined in section 243-1.2. The owner or operator of a unit that is not a CAIR NOx Ozone Season unit but that is monitored under 40 CFR 75.72(b)(2)(ii) shall comply with the same monitoring, recordkeeping, and reporting requirements as a CAIR NOx Ozone Season unit.

'Requirements for installation, certification, and data accounting.' The owner or operator of each CAIR NOx Ozone Season unit shall:

(1) install all monitoring systems required under this Subpart for monitoring NOx mass emissions and individual unit heat input (including all systems required to monitor NOx emission rate, NOx concentration, stack gas moisture content, stack gas flow rate, CO2 or O2 concentration, and fuel flow rate, as applicable, in accordance with 40 CFR 75.71 and 40 CFR 75.72);

(2) successfully complete all certification tests required under section 243-8.2 and meet all other requirements of this Subpart and 40 CFR Part 75 applicable to the monitoring systems under paragraph 243-8.1(a)(1); and

(3) record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section.

**Condition 60: Prohibitions**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 243-8.1**

**Item 60.1:**
This Condition applies to:

Emission Unit: 1CHP06

**Item 60.2:**
No owner or operator of a CAIR NOx Ozone Season unit shall use any alternative monitoring system, alternative reference method, or any other alternative to any requirement of this Subpart without having obtained prior written approval in accordance with section 243-8.6.

No owner or operator of a CAIR NOx Ozone Season unit shall operate the unit so as to discharge, or allow to be discharged, NOx emissions to the atmosphere without accounting for all such emissions in accordance with the applicable provisions of this Subpart and 40 CFR Part 75.

No owner or operator of a CAIR NOx Ozone Season unit shall disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NOx mass emissions discharged into the atmosphere or heat input, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of this Subpart and 40 CFR Part 75.

No owner or operator of a CAIR NOx Ozone Season unit shall retire or permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved monitoring system under this Subpart, except under any one of the following circumstances:
(i) during the period that the unit is covered by an exemption under section 243-1.5 that is in effect;
(ii) the owner or operator is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of this Subpart and 40 CFR Part

75, by the department for use at that unit that provides emission data for the same pollutant or parameter as the retired or discontinued monitoring system; or
(iii) the CAIR designated representative submits notification of the date of certification testing of a replacement monitoring system for the retired or discontinued monitoring system in accordance with section 243-8.2(d)(3)(i).

**Condition 61: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 243-8.5**

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

Emission Unit: 1-CHP06

**Item 61.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

1. The CAIR designated representative shall comply with all recordkeeping and reporting requirements in this section, the applicable recordkeeping and reporting requirements under 40 CFR 75.73, and the requirements of section 243-2.1(e)(1) of this Part.
2. Quarterly reports. The CAIR designated representative shall submit quarterly reports in an electronic quarterly report in a format prescribed by the administrator.
3. The CAIR designated representative shall submit each quarterly report to the administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR 75.73(f).
4. Compliance certification. The CAIR designated representative shall submit to the administrator a compliance certification (in a format prescribed by the administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:
(1) the monitoring data submitted were recorded in accordance with the applicable requirements of this Subpart and 40 CFR part 75, including the quality assurance procedures and specifications; and
(2) for a unit with add-on NOx emission controls and for all hours where NOx data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B

to 40 CFR part 75 and the substitute data values do not systematically underestimate NOx emissions.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 62: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

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

Emission Unit: 1-CHP07

**Item 62.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Each emergency diesel generator shall exhaust to a stack that rises to 91 feet above a reference grade of 832 feet mean sea level with an exit diameter of 7 inches. Compliance shall be demonstrated using records maintained on-site by the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 63: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

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

Emission Unit: 1-CHP07

**Item 63.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Cornell shall submit a written report of all excess emissions for each emergency diesel generator to EPA semiannually. For the purposes of this requirement, excess emissions includes fuel consumption rates above the specified levels, as well as exceedances of limits on hours of operation, as calculated for the specified averaging times. All reports shall be post-marked the 30th day following the end of each six-month reporting period, and shall include:

1) the nature and cause of any malfunction (if known) and the corrective action taken or preventive measures adopted.

2) the date and time identifying each period during which the applicable continuous monitoring system was inoperative except for zero and span checks and the nature of the system repair or adjustments.

3) the magnitude of excess emissions, and the date and time of commencement and completion of each time period of excess emissions.

When no excess emissions have occurred or the applicable monitoring systems have not been inoperative, repaired or adjusted, such information shall be stated in the report.

The semiannual report shall be submitted to:
Chief, Air Compliance Branch
USEPA - Region 2
290 Broadway - 21st Floor
New York, New York 10007-1866

Copies of the semiannual report shall also be submitted to:
Chief, Air Programs Branch - Permitting Section
USEPA - Region 2
290 Broadway - 25th floor
New York, New York 10007-1866

Region 2 CEM Coordinator
USEPA - Region 2
Monitoring and Assessment Branch - Air and Water Q/A Team
2890 Woodbridge Avenue - MS-220
Edison, NJ 08837-3679

Regional Air Pollution Control Engineer
NYSDEC Region 7

615 Erie Boulevard West
Syracuse, NY 13204-2400

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 64: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

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

Emission Unit: 1-CHP07

**Item 64.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
BACT for sulfuric acid mist - Each emergency diesel generator shall always be operated in accordance with the manufacturer's specified combustion parameters, and shall fire only ultra low sulfur diesel.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 65: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

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

Emission Unit: 1-CHP07

**Item 65.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The maximum design capacity of each emergency diesel generator (EDG) shall be 1000 kW. Each EDG shall fire only ultra low sulfur diesel, and shall be limited to a maximum fuel consumption rate of 72 gph. Compliance shall be demonstrated using records maintained on-site by the facility. Fuel consumption rates are based on 24-hour block averages.

Parameter Monitored: FUEL CONSUMPTION
Upper Permit Limit: 72 gallons per hour
Monitoring Frequency: CONTINUOUS
Averaging Method: 24 HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 66: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

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

Emission Unit: 1-CHP06
Process: GDO

**Item 66.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Opacity of emissions from each gas turbine are limited to 20% when firing ultra low sulfur diesel with supplemental duct burner firing, except for one period of not more than six (6) minutes in any sixty (60) minute interval when the opacity shall not exceed 27%. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA 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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 67: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 67.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GTG

**Item 67.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Opacity of emissions from each gas turbine are limited to 10% when firing natural gas. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Parameter Monitored: OPACITY
Upper Permit Limit: 10 percent
Reference Test Method: EPA 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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 68: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

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

Emission Unit: 1-CHP06
Process: GDG

**Item 68.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Opacity of emissions from each gas turbine are limited to 10% when firing natural gas with supplemental duct burner firing. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Parameter Monitored: OPACITY
Upper Permit Limit: 10 percent
Reference Test Method: EPA 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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 69: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

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

Emission Unit: 1-CHP07

**Item 69.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Logs shall be kept and updated periodically as specified to record the following:

1) the gallons of ultra low sulfur diesel fired on a daily basis for each emergency diesel generator,

2) the hours of operation for each emergency diesel generator,

3) the sulfur content of all fuel oil burned, as represented by the fuel vendor certifications,

4) any non-automated adjustments and maintenance performed on monitoring systems,

5) all calculations (including, but not limited to rolling averages) and information related to emission determinations.

All monitoring records, fuel sampling test results, calibration test results and logs must be maintained for a period of 5 years after the date of record and made available upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 70: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

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

Emission Unit: 1-CHP07

**Item 70.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Both EDGs may operate concurrently with the combustion turbines if either of the following conditions are met:

1) the normal utility power is not available or grid electrical supply is otherwise restricted, subject to the limits on hours stated in this permit, or

2) non-emergency operation solely for maintenance checks and readiness testing shall be limited to less than 100 hours in each 12-month rolling period for each EDG, and shall be included with the limits on hours stated elsewhere in this permit.

Compliance shall be demonstrated using records maintained on-site by the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 71: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

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

Emission Unit: 1-CHP06
Process: GDO

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

**Item 71.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
PM10 emissions from each gas turbine are limited to 0.031 lb/MMBTU when firing ultra low sulfur diesel with supplemental duct burner firing, except when the ambient air temperature is less than 0 deg F at which time the limit is 0.034 lb/MMBTU. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.031 pounds per million Btus
Reference Test Method: EPA Methods 201 or 201A and 202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 72: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 72.1:**

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

Emission Unit: 1-CHP07

**Item 72.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
BACT for PM, PM10 and PM2.5 - Each emergency diesel generator shall always be operated in accordance with the manufacturer's specified combustion parameters, and shall fire only ultra low sulfur diesel.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 73: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

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

Emission Unit: 1-CHP07

**Item 73.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Any failure of air pollution control equipment, process equipment, or of a process to operate in a normal manner which results in an increase in emissions of particulate matter (including PM10 and PM2.5), sulfuric acid mist or opacity above any allowable emission limit stated in this permit and any corrective actions and/or preventive measures taken on any unit must be included in the semiannual CCHPP PSD excess emissions report and also reported by telephone within two business days to:

Air Compliance Branch, Division of Enforcement and Compliance Assistance
USEPA - Region 2

290 Broadway - 21st Floor
New York, New York 10007-1866
(212) 637-3000

If any failure results in a release of emissions of a hazardous air pollutant(s) that continues for more than an hour in excess of any applicable limit, or in a release of any other regulated pollutant that continues for more than two hours in excess of any applicable limit, the EPA must be notified within 24 hours. This information must also be included in the semiannual CCHPP excess emissions report.

In addition, The USEPA Air Compliance Branch shall be notified in writing within 15 days of any such failure referenced above. This notification shall include a description of the malfunctioning equipment or abnormal operation; the date of initial failure; the period of time over which emissions were increased due to the failure; the cause of the failure; the estimated resultant emissions in excess of those allowed under this permit; and the methods utilized to restore normal operations. Compliance with this malfunction notification provision shall not excuse or otherwise constitute a defense to any violations of this permit or of any law or regulations which such malfunction shall cause.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 74: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

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

Emission Unit: 1-CHP06
Process: GTO

**Item 74.2:**
Compliance Certification shall include the following monitoring:

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

Opacity of emissions from each gas turbine are limited to 20% when firing ultra low sulfur diesel, except for one period of not more than six (6) minutes in any sixty (60) minute interval when the opacity shall not exceed 27%. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA 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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 75: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

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

Emission Unit: 1-CHP06

**Item 75.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Each combined cycle unit, consisting of a combustion turbine and a heat recovery steam generator with a duct burner, shall exhaust to a stack that rises to 180 feet above a reference grade of 832 feet MSL with an exit diameter of 6 feet.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 76: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 76.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GDG

Regulated Contaminant(s):
CAS No: 007664-93-9 SULFURIC ACID

**Item 76.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
H2SO4 emissions from each gas turbine are limited to 1.4 lbs/hr when firing natural gas with supplemental duct burner firing, except when the ambient air temperature is less than 0 deg F at which time the limit is 1.5 lbs/hr. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 1.4 pounds per hour
Reference Test Method: EPA Method 8
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 77: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 77.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GDO

Regulated Contaminant(s):
CAS No: 007664-93-9 SULFURIC ACID

**Item 77.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
H2SO4 emissions from each gas turbine are limited to 0.93 lbs/hr when firing ultra low sulfur diesel with supplemental duct burner firing, except when the ambient air temperature is less than 0 deg F at which time the limit is 0.94 lbs/hr. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.93 pounds per hour
Reference Test Method: EPA Method 8
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 78: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 78.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GTG

Regulated Contaminant(s):
CAS No: 007664-93-9 SULFURIC ACID

**Item 78.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
H2SO4 emissions from each gas turbine are limited to 0.24 lbs/hr when firing natural gas, except when the ambient air temperature is less than 0 deg F at which time the limit is 0.25 lb/hr. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by

stack testing performed at the request of the Department.

Upper Permit Limit: 0.24 pounds per hour
Reference Test Method: EPA Method 8
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 79: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 79.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP07

**Item 79.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Opacity of emissions from each EDG are limited to 20% except for one period of not more than six (6) minutes in any sixty (60) minute interval when the opacity shall not exceed 27%. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA 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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 80: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 80.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GDO

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

**Item 80.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
PM10 emissions from each gas turbine are limited to 8.3 lbs/hr when firing ultra low sulfur diesel with supplemental duct burner firing, except when the ambient air temperature is less than 0 deg F at which time the limit is 8.6 lb/hr. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 8.3 pounds per hour
Reference Test Method: EPA Methods 201 or 201A and 202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 81: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 81.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GTO

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

**Item 81.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
PM10 emissions from each gas turbine are limited to 6.3 lbs/hr when firing ultra low sulfur diesel, except when the ambient temperature is less than 0 deg F at which time the limit is 6.5 lbs/hr. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 6.3 pounds per hour
Reference Test Method: EPA 201 or 201A and 202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 82: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 82.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP07

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

**Item 82.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
PM/PM10/PM2.5 emissions from each emergency diesel generator shall not exceed 0.19 lbs/hr. These limits apply at all times, including startup and shutdown. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.19 pounds per hour
Reference Test Method: EPA Methods 201A and 202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION
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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 83: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 83.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GDO

Regulated Contaminant(s):
CAS No: 007664-93-9 SULFURIC ACID

**Item 83.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
H2SO4 emissions from each gas turbine are limited to 0.005 lbs/MMBTU when firing ultra low sulfur diesel with supplemental duct burner firing. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.005 pounds per million Btus
Reference Test Method: EPA Method 8
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 84: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 84.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GTG

Regulated Contaminant(s):
CAS No: 007664-93-9 SULFURIC ACID

**Item 84.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
H2SO4 emissions from each gas turbine are limited to 0.001 lb/MMBTU when firing natural gas. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.001 pounds per million Btus
Reference Test Method: EPA Method 8
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 85: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 85.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GTO

Regulated Contaminant(s):
CAS No: 007664-93-9 SULFURIC ACID

**Item 85.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
H2SO4 emissions from each gas turbine are limited to 0.25 lbs/hr when firing ultra low sulfur diesel, except when the ambient air temperature is less than 0 deg F at which time the limit is 0.26 lbs/hr. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.25 pounds per hour
Reference Test Method: EPA Method 8
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 86: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 86.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GTO

Regulated Contaminant(s):
CAS No: 007664-93-9 SULFURIC ACID

**Item 86.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
H2SO4 emissions from each gas turbine are limited to 0.002 lbs/mmBtu when firing ultra low sulfur diesel. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.002 pounds per million Btus
Reference Test Method: EPA Method 8
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 87: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 87.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GDG

Regulated Contaminant(s):
CAS No: 007664-93-9 SULFURIC ACID

**Item 87.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
H2SO4 emissions from each gas turbine are limited to 0.005 lb/MMBTU when firing natural gas with supplemental duct burner firing. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.005 pounds per million Btus
Reference Test Method: EPA Method 8
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 88: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 88.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP07

Regulated Contaminant(s):
CAS No: 007664-93-9 SULFURIC ACID

**Item 88.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
H2SO4 emissions from each emergency diesel generator shall not exceed 0.0023 lbs/hr. These limits apply at all times, including startup and shutdown. Compliance shall be demonstrated by fuel sulfur analysis performed at the request of the Department, in conjunction with the maximum fuel firing rate and the assumption that 10 percent of the sulfur in the fuel converts to H2SO4.

Upper Permit Limit: 0.0023 pounds per hour
Reference Test Method: EPA Method 8
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 89: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 89.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GTO

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

**Item 89.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
PM10 emissions from each gas turbine are limited to 0.040 lb/mmBtu when firing ultra low sulfur diesel. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.040 pounds per million Btus
Reference Test Method: EPA 201 or 201A and 202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 90: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 90.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GDG

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

**Item 90.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
PM10 emissions from each gas turbine are limited to 6.5 lbs/hr when firing natural gas with supplemental duct burner firing, except when the ambient air temperature is less than 0 deg F at which time the limit is 6.7 lb/hr. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 6.5 pounds per hour
Reference Test Method: EPA Methods 201 or 201A and 202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 91: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 91.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GTG

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

**Item 91.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
PM10 emissions from each gas turbine are limited to 3.9 lbs/hr when firing natural gas, except when the ambient air temperature is less than 0 degree F at which time the limit is 4.1 lbs/hr. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 3.9 pounds per hour
Reference Test Method: EPA 201 or 201A and 202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 92: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 92.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GTG

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

**Item 92.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
PM10 emissions from each gas turbine are limited to 0.023 lb/MMBTU when firing natural gas. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.023 pounds per million Btus
Reference Test Method: EPA Methods 201 or 201A and 202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 93: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 93.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GDG

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

**Item 93.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
PM10 emissions from each gas turbine are limited to 0.022 lb/MMBTU when firing natural gas with supplemental duct burner firing, except when the ambient air temperature is less than 0 degree F at which time the limit is 0.023 lb/MMBTU. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.022 pounds per million Btus
Reference Test Method: EPA Methods 201 or 201A and 202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 94: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 94.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06

**Item 94.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
BACT for sulfuric acid mist - Each Solar Titan 130 combustion turbine shall fire only pipeline grade natural gas or ultra low sulfur diesel, and shall continuously operate in accordance with its specified design combustion parameters. Each duct burner shall fire only pipeline grade natural gas, and shall be operated in accordance with the manufacturer's specified combustion parameters. Compliance shall be demonstrated using records maintained

on-site by the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 95: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 95.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06

**Item 95.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

BACT for PM, PM10 and PM2.5 - each Solar Titan 130 combustion turbine shall fire only pipeline grade natural gas or ultra low sulfur diesel and shall continuously operate in accordance with its specified design combustion parameters. This includes continuously operating all control devices in a manner consistent with good air pollution control practicefor minimizing emissions. Each duct burner shall fire only pipeline grade natural gas, and shall be operated in accordance with the manufacturer's specified combustion parameters. In addition, Cornell shall:

1) install and maintain air inlet filters
2) install and maintain a lube oil vent coalescer, and
3) monitor ammonia emissions and adjust ammonia injection rates to the SCR system, as necessary, to reduce use of excess ammonia.

Compliance shall be demonstrated using records maintained on-site by the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 96: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 96.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06

**Item 96.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Any failure of air pollution control equipment, process equipment, or of a process to operate in a normal manner which results in an increase in emissions of particulate matter (including PM10 and PM2.5), sulfuric acid mist or opacity above any allowable emission limit stated in this permit and any corrective actions and/or preventive measures taken on any unit must be included in the semi-annual CCHPP PSD excess emissions report and also reported by telephone within two business days to:

Air Compliance Branch, Division of Enforcement and Compliance Assistance
USEPA- Region 2
290 Broadway - 21st Floor
New York, NY 10007 - 1866
(212) 637-3000

If any failure results in a release of emissions of a hazardous air pollutant(s) that continues for more than an hour in excess of any applicable limit, or in a release of any other regulated pollutant that continues for more than two hours in excess of any applicable limit, the EPA must be notified within 24 hours. This information must also be included in the semi-annual CCHPP excess emissions report.

In addition, the USEPA Air Compliance Branch shall be notified in writing within 15 days of any such failure referenced above. This notification shall include a description of the malfunctioning equipment or abnormal operation; the date of the initial failure; the period of time over which the emissions were increased due to the failure; the cause of the failure; the estimated resultant emissions in excess of those allowed under this permit; and the methods used to restore normal operations.

Compliance with this malfunction notification provision shall not excuse or otherwise constitute a defense to any violations of this permit or of any law or regulations which such malfunction shall cause.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 97: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 97.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06

**Item 97.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Cornell shall submit a written report of all excess emissions for each Solar Titan 130 combustion turbine and each duct burner to EPA semiannually. For the purposes of this requirement, excess emissions includes fuel consumption rates above the specified levels, as well as exceedances of limits on hours of operation, as calculated for the specified averaging times. All reports shall be post-marked by the 30th day following the end of each six-month reporting period, and shall include:

1) the nature and cause of any malfunction (if known) and the corrective action taken or preventive measures adopted,

2) the date and time identifying each period during which the applicable continuous monitoring system was inoperative except for zero and span checks and the nature of the system repair or adjustments, and

3) the magnitude of the excess emissions, and the date and time of commencement and completion of each time period excess emissions.

When no excess emissions have occurred of the applicable

monitoring systems have not been inoperative, repaired or adjusted, such information shall be stated in the report.

The semiannual report shall be submitted to:
Chief, Air Compliance Branch
USEPA - Region 2
290 Broadway - 21st floor
New York, NY 10007-1866

Copies of the semiannual report shall also be submitted to:
Chief, Air Programs Branch, Permitting Section
USEPA - Region 2
290 Broadway - 25th floor
New York, NY 10007-1866

Region 2 CEM coordinator
USEPA - Region 2
Monitoring and Assessment Branch - Air and Water Q/A Team
2890 Woodbridge Avenue - MS 220
Edison, New Jersey 08837-3679

Regional Air Pollution Control Engineer
NYSDEC Region 7
615 Erie Boulevard West
Syracuse, NY 13204-2400

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 98: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 98.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06

**Item 98.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Fuel switching for each Solar Titan 130 combustion turbine is defined as the brief period of dual firing when changing between the two authorized fuels. Fuel switching shall be conducted in accordance with manufacturer's recommendations. The duration of any at-load fuel switch shall not exceed 30 minutes. Compliance shall be demonstrated using records maintained on-site at the facility.

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 4/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 99: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 99.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06

**Item 99.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
At all times, Cornell shall, to the extent practicable, maintain and operate the two Solar Titan 130 combustion turbines, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to EPA and/or DEC which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the plant.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 100: Compliance Certification**

**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 100.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06

**Item 100.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

1. Cornell shall maintain and periodically update, as necessary, logs to record the following:

i. the gallons of ultra low sulfur diesel fuel oil fired on a daily basis for each turbine,

ii. the amount of natural gas consumed in scf or MMBTU HHV on a daily basis for each turbine and each duct burner,

iii. the hours of operation of each turbine for each fuel,

iv. the operating days when the ambient air temperature was below 0 deg F,

v. the sulfur content of all fuel oil burned, as represented by the fuel oil vendor certifications,

vi. the electrical output (MW) on a daily basis from each turbine,

vii. any non-automated adjustments and maintenance performed on each turbine,

viii. any non-automated adjustments and maintenance performed on monitoring systems, and

ix. all calculations (including, but not limited to rolling averages) and information related to emission determinations.

All monitoring records, fuel sampling test results, calibration test results and logs must be maintained for a period of five years after the date of record and made available upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 101: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 101.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06

**Item 101.2:**
Compliance Certification shall include the following monitoring:

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

1. Each Solar Titan 130 combustion turbine shall be limited to a maximum fuel consumption rate of 170,200 scfh of natural gas (based on 1,025 BTU/scf HHV) when the ambient temperature exceeds 0 deg F, or 177,000 scfh of natural gas (based on 1025 BTU/scf HHV) when the ambient temperature is 0 deg F or lower. Fuel consumption rates are based on 24-hour block averages.

2. Cornell shall install, calibrate, maintain and operate, in accordance with the manufacturer's specifications, continuous monitoring systems to measure and record each combustion turbine's fuel flows.

3. Records shall be maintained on-site. Deviations shall be reported in the semi-annual CCHPP PSD excess emissions report.

Parameter Monitored: NATURAL GAS
Upper Permit Limit: 177,000 cubic feet per hour (standard conditions)
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 24 HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 102: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 102.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06

**Item 102.2:**
Compliance Certification shall include the following monitoring:

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

1. Each Solar Titan 130 combustion turbine shall be limited to a maximum fuel consumption rate of 1,170 gph of ultra low sulfur diesel oil (based on 135,000 BTU/gal HHV) when the ambient temperature exceeds 0 deg F, or 1,220 gph of distillate oil (based on 135,000 BTU/gal HHV) when the ambient temperature is 0 deg F or lower. Fuel consumption rates are based on 24-hour block averages.

2. Cornell shall install, calibrate, maintain and operate, in accordance with the manufacturer's specifications, continuous monitoring systems to measure and record each combustion turbine's fuel flows.

3. Records shall be maintained on-site. Deviations shall be reported in the semi-annual CCHPP PSD excess emissions report.

Parameter Monitored: FUEL OIL
Upper Permit Limit: 1220 gallons per hour
Monitoring Frequency: CONTINUOUS
Averaging Method: 24 HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 103: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 103.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06

**Item 103.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The primary fuel for each Solar Titan 130 combustion turbine shall be pipeline grade natural gas. Ultra low sulfur diesel may be fired as a secondary fuel. Any combustion turbine shall not simultaneously fire multiple fuels, except during periods of fuel switching. The duct burners shall only fire pipeline grade natural gas. Compliance shall be demonstrated using records maintained on-site by the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 104: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 104.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06

**Item 104.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
1. Each duct burner shall be limited to a maximum design heat input of 115 MMBTU/hr and a maximum fuel consumption rate of 112,000 scfh of natural gas (based on 1,025 BTU/scf HHV). Fuel consumption rates are based on 24-hour block averages. Records shall be maintained on-site.

2. Cornell shall install, calibrate, maintain and operate, in accordance with the manufacturer's specifications, continuous monitoring systems to measure

and record each combustion duct burner's fuel flows.

3. Deviations shall be reported in the semi-annual CCHPP PSD excess emissions report.

Parameter Monitored: NATURAL GAS
Upper Permit Limit: 112,000 cubic feet per hour
(standard conditions)
Monitoring Frequency: CONTINUOUS
Averaging Method: 24 HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 105: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.7, NSPS Subpart A**

**Item 105.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP08

Emission Unit: R-ENTL

**Item 105.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The rental boilers (Emission Sources RBOI1 and RBOI2) are subject to 40 CFR Part 60, Subpart Dc and the package boiler (Emission Source BOI09) is subject to 40 CFR Part 60, Subpart Db. All three boilers are subject to the General Provisions, 40 CFR Part 60, Subpart A. The owner or operator must comply with the provisions of 40 CFR 60.7, as indicated below.

The owner must comply with the notification requirements of:

1. 40 CFR 60.7(a)(1), regarding the date construction of the affected unit commenced;

2. 40 CFR 60.7(a)(3), regarding the date of initial startup;

3. 40 CFR 60.7(a)(6), regarding the date for conducting

opacity observations;

4. 40 CFR 60.7(b), which requires the owner or operator to keep records of startup, shutdown or malfunction;

5. 40 CFR 60.7(c) and 40 CFR 60.49b(h), applicable to BOI09, the package boiler, which require the submission of excess emission reports (the DEC is requiring the reports to be submitted on a quarterly basis). Excess emissions are defined in 40 CFR 60.49b(h)(4), and 40 CFR 60.49b(v) allows submission of electronic reports;

6. 40 CFR 60.7(d), requiring the use of a summary form when both the total duration of excess emissions is less than 1% of the total operating time in the period and the continuous monitoring system downtime is less than 5% of the total operating time in the period. When these criteria are exceeded, both the summary form and the full excess emission report shall be submitted. The full excess emission reports must state the date and time each period of excess emissions begins and ends; the process operating time in the period; the cause of the excess emission; the identification of each period of excess emission cause during startup, shutdown and malfunction; the cause of the malfunction (if known); the corrective action taken; the date and time identifying each period when the opacity monitor was inoperative (except for zero and span checks) and the nature of the repairs or adjustments; and

7. 40 CFR 60.7(f) and 60.49b(o), requiring the owner or operator to keep a file of all measurements, tests, continuous monitoring system performance evaluations and calibration checks, and adjustments and maintenance performed on these systems.

On an annual basis, the owner or operator must submit to the DEC a report stating whether he or she has complied with the requirements of 40 CFR 60.7.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 106: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.8, NSPS Subpart A**

**Item 106.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP08

Emission Unit: R-ENTL

**Item 106.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The rental boilers (Emission Sources RBOI1 and RBOI2) are subject to 40 CFR Part 60, Subpart Dc and the package boiler (Emission Source BOI09) is subject to 40 CFR Part 60, Subpart Db. All three boilers are subject to the General Provisions, 40 CFR Part 60, Subpart A. The owner or operator must comply with the provisions of 40 CFR 60.8 as indicated below:

1. 40 CFR 60.8(a), regarding the need to conduct performance tests within 60 days after achieving the maximum production rate but not later than 180 days after initial startup unless prevented by force majeure or the test is waived by the EPA;

2. 40 CFR 60.8(b), in which the EPA may approve waivers or the use of equivalent or alternate methods;

3. 40 CFR 60.8(c), which requires testing to be performed under conditions of representative performance;

4. 40 CFR 60.8(d), regarding the need to provide 30 days notice prior to testing;

5. 40 CFR 60.8(e), regarding test locations and safe access.

On a calendar year basis, the owner or operator shall submit to the DEC a certification stating whether he or she has complied with this requirement.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 107: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A**

**Item 107.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP08

Emission Unit: R-ENTL

**Item 107.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The rental boilers (Emission Sources RBOI1 and RBOI2) are subject to 40 CFR Part 60, Subpart Dc and the package boiler (Emission Source BOI09) is subject to 40 CFR Part 60, Subpart Db. All three boilers are subject to the General Provisions, 40 CFR Part 60, Subpart A.

The owner or operator must comply with the provisions of 40 CFR 60.11 as indicated below:

1. 40 CFR 60.11(a), regarding the use of tests established by 40 CFR 60.8;

2. 40 CFR 60.11(b), requiring compliance with opacity to be determined in accordance with Method 9 of 40 CFR Part 60 Appendix A; and

3. 40 CFR 60.11(c), in that the opacity standard applies at all times except during periods of startup, shutdown or malfunction.

On an annual basis, the owner or operator shall submit to the DEC a certification stating whether a performance test has been performed and if so, the results of such tests and whether he or she has complied with these requirements.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 108: Compliance Certification**

**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A**

**Item 108.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP08

**Item 108.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The package boiler (Emission Source BOI09) is subject to 40 CFR Part 60, Subpart Db. This boiler is subject to the General Provisions, 40 CFR Part 60, Subpart A.

The owner or operator must comply with the provisions of 40 CFR 60.13 as indicated below:

1. 40 CFR 60.13(a), regarding compliance with 40 CFR Part 60, Appendices A and F.

2. 40 CFR 60.13(e), regarding the need to complete one measurement cycle every 15 minutes; and

3. 40 CFR 60.13(h), regarding the need to compute one hour averages.

On an annual basis, the owner or operator shall state whether a performance specification test (relative accuracy test audit) was completed on the NOx monitor, and if so, the results of such tests. The owner or operator shall also state whether he or she has complied with this condition.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 109: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60, NSPS Subpart IIII**

**Item 109.1:**
The Compliance Certification activity will be performed for the Facility.

**Item 109.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The University owns and operates numerous reciprocating internal combustion engines. The EPA has promulgated Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, found at 40 CFR Part 60, Subpart IIII.

1. Pre-2007 model year emergency ICE with a displacement of less than 10 liters per cylinder, that commenced construction after July 11, 2005 and were manufactured after April 1, 2006 must comply with:

a. the emission standards of 40 CFR 60.4205(a), Table I;

b. the fuel requirements of 40 CFR 60.4207(b);

c. the monitoring requirements of 40 CFR 60.4209(a) and, if equipped with a particulate filter, 40 CFR 60.4209(b);

d. the compliance requirements of 40 CFR 60.4211(a), (b), (f) and (g),

and appropriate testing and notification requirements.

2. 2007 model year and later emergency ICE with a displacement of less than 30 liters per cylinder, that commenced construction after July 11, 2005 and were manufactured after April 1, 2006 must comply with:

a. the emission standards of 40 CFR 60.4205(b) and 60.4202;

b. the fuel requirements of 40 CFR 60.4207(b);

c. the monitoring requirements of 40 CFR 60.4209(a) and, if equipped with a particulate filter, 40 CFR 60.4209(b);

d. the compliance requirements of 40 CFR 60.4211(a), (b), (f) and (g),

and appropriate testing and notification requirements.

3. The owner or operator shall determine the applicability of 40 CFR Part 60, Subpart IIII and the compliance status of each stationary internal combustion engine. The owner or operator shall also develop procedures to determine applicability, and assure compliance, for new purchases, modifications, and reconstructions relevant to stationary internal combustion engines at the facility.

4. Within 180 days of the effective date of this permit, the owner or operator shall submit to the DEC a report identifying each potentially subject stationary internal combustion engine (e.g. emergency generators and fire pumps), indicating whether the engine is subject and stating whether the facility has complied with 40 CFR Part 60, Subpart IIII. Thereafter, on an annual, calendar year basis, the owner or operator shall certify the compliance status of each subject existing, new, modified, and reconstructed stationary internal combustion engine. This report and annual certifications may be combined with the owner or operator's reports and certifications as required in permit conditions related to 40 CFR Part 60, Subpart JJJJ and 40 CFR Part 63, Subpart ZZZZ. The annual reports are due within 30 days after the end of the calendar year.

5. Permit modifications or preconstruction permits are not required for changes (new engine installations, engine modifications, and engine reconstructions) to emergency stationary internal combustion engines, at this facility, as long as the following conditions are met:

i. the engine(s) involved in the change meet the definition of “emergency stationary internal combustion engine” in section 60.4219,

ii. the change will not cause the facility to be out of compliance with this permit condition, the terms of this permit, and/or the provisions of 40 CFR Part 60, Subpart IIII;

iii. the change will not cause the facility to become subject to any additional applicable requirement;

iv. the change will not cause the facility to be out of compliance with any applicable requirement;

v. the change will not cause the facility to exceed any emission cap or limit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 110: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60, NSPS Subpart JJJJ**

**Item 110.1:**
The Compliance Certification activity will be performed for the Facility.

**Item 110.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The University owns and operates numerous reciprocating internal combustion engines. The EPA has promulgated Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, found at 40 CFR Part 60, Subpart JJJJ.

1. The owner or operator shall comply with the emission standards of 40 CFR 60.4233, as applicable.

2. The owner or operator shall comply with the fuel use requirements of 40 CFR 60.4235, as applicable.

3. The owner or operator shall comply with the monitoring requirements of 40 CFR 60.4237, as applicable.

4. The owner or operator shall comply with the compliance requirements of 40 CFR 60.4243, as required.

5. You shall comply with the notification requirements of 40 CFR 60.4245, as applicable.

6. The owner or operator shall determine the applicability of 40 CFR Part 60, Subpart JJJJ and the compliance status of each stationary internal combustion engine. The owner or operator shall also develop procedures to determine applicability, and assure compliance, for new purchases, modifications, and reconstructions relevant to stationary internal combustion engines at the facility.

7. Within 180 days of the effective date of this permit, the owner or operator shall submit to the DEC a report identifying each potentially subject stationary internal combustion engine (e.g. emergency generators and fire

pumps), indicating whether the engine is subject and stating whether the facility has complied with 40 CFR Part 60, Subpart JJJJ. Thereafter, on an annual, calendar year basis, the owner or operator shall certify the compliance status of each subject existing, new, modified, and reconstructed stationary internal combustion engine. This report and annual certifications may be combined with the owner or operator's reports and certifications as required in permit conditions related to 40 CFR Part 60, Subpart IIII and 40 CFR Part 63, Subpart ZZZZ. The annual reports are due within 30 days after the end of the calendar year.

8. Permit modifications or preconstruction permits are not required for changes (new engine installations, engine modifications, and engine reconstructions) to emergency stationary internal combustion engines, at this facility, as long as the following conditions are met:

i. the engine(s) involved in the change meet the definition of “emergency stationary internal combustion engine” in section 60.4248,

ii. the change will not cause the facility to be out of compliance with this permit condition, the terms of this permit, and/or the provisions of 40 CFR Part 60, Subpart JJJJ;

iii. the change will not cause the facility to become subject to any additional applicable requirement;

iv. the change will not cause the facility to be out of compliance with any applicable requirement;

v. the change will not cause the facility to exceed any emission cap or limit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 111: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 63.11177, Subpart HHHHHH**

**Item 111.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 2-PAINT

**Item 111.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator must must keep the records specified in paragraphs (a) through (c) of this condition.

(a) Records of paint strippers containing MeCl used for paint stripping operations, including the MeCl content of the paint stripper used. Documentation needs to be sufficient to verify annual usage of paint strippers containing MeCl (e.g., material safety data sheets or other documentation provided by the manufacturer or supplier of the paint stripper, purchase receipts, records of paint stripper usage, engineering calculations).

(b) Records of any deviation from the requirements in §63.11173, §63.11174, §63.11175, or §63.11176. These records must include the date and time period of the deviation, and a description of the nature of the deviation and the actions taken to correct the deviation.

(c) Records of any assessments of source compliance performed in support of the initial notification, notification of compliance status, or annual notification of changes report.

On an annual basis, the owner or operator must report, in the annual Title V certification, to the DEC whether he or she has complied with this requirement.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 112: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 63, Subpart JJJJJJ**

**Item 112.1:**
The Compliance Certification activity will be performed for the Facility.

**Item 112.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Cornell operates multiple small oil-fired boilers subject to 40 CFR Part 63, Subpart JJJJJJ.

The owner or operator must comply with 40 CFR Part 63, Subpart JJJJJJ as applicable to individual boilers, included but not limited to notifications, work practice standards, management practice standards, reporting and record retention.

At all times the owner or operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

On an annual basis, the owner or operator shall submit to the DEC a statement in the compliance certification whether he or she has complied with this requirement.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 113: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 63.6100, Subpart YYYY**

**Item 113.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GDO

Emission Unit: 1-CHP06
Process: GTO

**Item 113.2:**
Compliance Certification shall include the following monitoring:

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

Pursuant to 40 CFR 63.6100 and 63.6125(a), the four hour rolling average inlet temperature to each oxidation catalyst shall be maintained within the range suggested by the catalyst manufacturer when the turbine is firing oil. That range is between 550 F and 1100 F.

Pursuant to 40 CFR 63.6125(a), the owner or operator of the stationary gas turbine must continuously monitor the temperature to the inlet of the oxidation catalyst.

Pursuant to this condition, the owner or operator of the stationary gas turbine must record the average temperature to the inlet of the oxidation catalyst at least once per hour.

This requirement applies at all times except during periods of startup, shutdown and malfunction.

Each stationary combustion turbine, oxidation catalyst and monitoring device must be operated in a manner consistent with good air pollution control practices for minimizing emissions at all times including during periods of startup, shutdown and malfunction.

Parameter Monitored: TEMPERATURE
Lower Permit Limit: 550 degrees Fahrenheit
Upper Permit Limit: 1100 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: 4-HOUR ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 114: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 63.6100, Subpart YYYY**

**Item 114.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GDO

Emission Unit: 1-CHP06
Process: GTO

Regulated Contaminant(s):
CAS No: 000050-00-0 FORMALDEHYDE

**Item 114.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

This emission limit applies to the combustion of ultra low sulfur diesel in each gas turbine. This limit applies at all times except during periods of startup, shutdown and malfunction.

Pursuant to 40 CFR 63.6100 and 63.6140(a), emissions of formaldehyde from each gas turbine shall not exceed 91 ppb, dry basis, corrected to 15% oxygen. Compliance with this limit shall be determined through stack emissions testing when the gas turbine is operating on oil without the duct burner on-line. Testing shall be conducted on an annual basis as specified in 40 CFR Part 63, Subpart YYYY, Table 3, and at any other time specified by the DEC. Testing must be conducted at 100 percent load, plus or minus 10 percent.

In the event that the gas turbine does not operate more than 168 hours on ultra low sulfur diesel in any calendar year, emissions testing is not required during that year in accordance with a waiver received from the USEPA. In any case, testing must be conducted at least once per permit term.

On a calendar year annual basis, the owner or operator submit to the DEC a certification stating whether the owner or operator operated in compliance with this condition. Such report shall state whether the facility conducted an emissions test and if so, the results of such testing.

Upper Permit Limit: 91 parts per billion by volume (dry, corrected to 15% O2)
Reference Test Method: EPA Method 320 or approved alternate
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 115: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 63.6145, Subpart YYYY**

**Item 115.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GDO

Emission Unit: 1-CHP06
Process: GTO

**Item 115.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator must submit all notifications in 40 CFR 63.7(b) and (c), 63.8(f)(4) and 63.9(h) by the dates specified.

Cornell must submit to the DEC and the EPA a notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin.

Cornell must submit to the DEC and the EPA a Notification of Compliance Status according to 40 CFR 63.9(h)(2)(ii). For each performance test required to demonstrate compliance with the emission limit for formaldehyde, you must submit a Notification of Compliance Status, including the performance test results, before the close of business on the 60th calendar day following the completion of the performance test.

On a calendar year basis, the owner or operator shall submit to the DEC a statement whether he or she has complied with this condition.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.

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

**Condition 116: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 63.6150, Subpart YYYY**

**Item 116.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GDO

Emission Unit: 1-CHP06
Process: GTO

**Item 116.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator must submit to the DEC a semi-annual report containing the following information:

1. The company name and address.

2. A statement by the responsible official, with that officvials name, title, and signature, certifying the accuracy of the report.

3. The date of the report and the beginning and ending dates of the reporting period.

4. For each deviation from an emission limitation, the compliance report must contain:

(i) the total operating time of each stationary combustion turbine during the reporting period;

(ii) information on the number, duration and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken; and

(iii) information on the number, duration and cause for monitor downtime incidents (including unknown cause, if applicable, other than downtime associated with zero and span and other daily calibration checks).

Monitoring Frequency: SEMI-ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 117: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 63.6155, Subpart YYYY**

**Item 117.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GDO

Emission Unit: 1-CHP06
Process: GTO

**Item 117.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Cornell must keep the following records in such a manner that they can be readily accessed and are suitable for inspection according to 40 CFR 63.10(b)(1). The records must be kept for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report or record. The most recent two years must be retained on-site or the records must be accessible on-site. The remaining 3 years may be retained off-site.

(1) A copy of each notification and report that was submitted to comply with 40 CFR Part 63, Subpart YYYY, including all documentation supporting any initial notification or notification of compliance status that you submitted, according to the requirements in 40 CFR 63.10(b)(2)(xix).

(2) Records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii).

(3) Records of the occurrence and duration of each startup, shutdown, or malfunction as required in 40 CFR 63.10(b)(2)(i).

(4) records of the occurrence and duration of each malfunction of the air pollution control equipment, if applicable, as required in 40 CFR 63.10(b)(2)(ii).

(5) Records of all maintenance on the air pollution control equipment as required in 40 CFR 63.10(b)(2)(iii).

On an calendar year basis, the owner or operator shall report to the DEC whether he or she has complied with this requirement.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 118: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 63, Subpart ZZZZ**

**Item 118.1:**
The Compliance Certification activity will be performed for the Facility.

**Item 118.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

This facility has, on site, emergency stationary internal combustion engines.

Pursuant to 40 CFR 63.6590(b)(3)(viii), existing institutional emergency stationary RICE located at an area source of HAP emissions do not have to meet the requirements of 40 CFR Part 63, Subpart ZZZZ and of Subpart A, including initial notification requirements.

Pursuant to 40 CFR 63.6590(c), a new or reconstructed stationary RICE located at an area source must meet the requirements of 40 CFR Part 63, Subpart ZZZZ by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under 40 CFR Part 63, Subpart ZZZZ.

Engines that were subject to 40 CFR Part 63, Subpart ZZZZ when Cornell was a major source of HAPs must continue to comply with those requirements even though the facility is

now a minor source of HAPs under the EPA's once in, always in policy.

The owner or operator shall determine the applicability of 40 CFR Part 60, Subpart ZZZZ and the compliance status of each stationary internal combustion engine.

Within 180 days of the effective date of this permit, the owner or operator shall submit to the DEC a report identifying each potentially subject stationary internal combustion engine (e.g. emergency generators and fire pumps), indicating whether the engine is subject and stating whether the facility has complied with 40 CFR Part 60, Subpart ZZZZ. This report and annual certifications may be combined with the owner or operator's reports and certifications as required in permit conditions related to 40 CFR Part 60, Subpart IIII and 40 CFR Part 63, Subpart JJJJ. The annual reports are due within 30 days after the end of the calendar year.

Permit modifications or preconstruction permits are not required for changes (new engine installations, engine modifications, and engine reconstructions) to emergency stationary internal combustion engines, at this facility, as long as the following conditions are met:

1. the engine(s) involved in the change meet the definition of “emergency stationary RICE” in section 63.6675,

2. the change will not cause the facility to be out of compliance with this permit condition, the terms of this permit, and/or the provisions of 40 CFR Part 60, Subpart ZZZZ;

3. the change will not cause the facility to become subject to any additional applicable requirement;

4. the change will not cause the facility to be out of compliance with any applicable requirement;

5. the change will not cause the facility to exceed any emission cap or limit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 119: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40 CFR Part 64**

**Item 119.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP01
Process: B8C Emission Source: BOIL8

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

**Item 119.2:**
Compliance Certification shall include the following monitoring:

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

Boiler 8 is subject to the Compliance Assurance Monitoring (CAM) requirements for particulate emissions. CAM will be achieved using Continuous Opacity Monitors (COMs).

1. Opacity in excess of 20% in any six minute period (except for one six minute period per hour in which opacity does not exceed 27%) will constitute an excursion of the CAM plan. Corrective action to reduce opacity shall be taken as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

Taking corrective action pursuant to this condition does not absolve or relieve the owner or operator from compliance with 6 NYCRR 227-1.3.

2. The COMs must satisfy the requirements of 40 CFR Part 60, Appendix B, Performance Specification 1 and 40 CFR Part 60, Subpart A, Section 60.13 as applicable to COMS. The COMs shall complete a minimum of one cycle of sampling and analyzing for each successive 10 second period and one cycle of data recording for each successive 6 minute period.

3. The owner or operator shall maintain necessary parts for routine repairs of the COMS.

4. On a quarterly basis, the owner or operator shall submit to the DEC a report including: summary information on the number, duration and cause (including unknown

cause, if applicable) of excursions and the corrective actions taken; and summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with daily calibration checks). Reports required in other conditions found elsewhere in this permit that satisfy this condition are acceptable.

5. Within 180 days of receipt of written notice from the DEC, or within 180 days of the end of a calendar quarter in which the duration of excursions exceeds 2% of the emission source's operating time, the owner or operator shall develop, for DEC approval, a quality improvement plan (QIP). The QIP shall include the items specified in 40 CFR 64.8(b).

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 120: Servicing of Motor Vehicle Air Conditioners (MVAC)**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 82, Subpart B**

**Item 120.1:**
If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant.

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

**Condition 121: Emission Point Definition By Emission Unit**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 121.1:**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1-CHP01

Emission Point: 00001
Height (ft.): 225 Diameter (in.): 136
NYTMN (km.): 4700.1 NYTME (km.): 378.3 Building: 5510B

**Item 121.2:**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1-CHP03

Emission Point: 00003
Height (ft.): 77 Diameter (in.): 60
NYTMN (km.): 4700.1 NYTME (km.): 378.3 Building: 5510B

**Item 121.3:**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1-CHP06

Emission Point: 00007
Height (ft.): 180 Diameter (in.): 72
NYTMN (km.): 4700.1 NYTME (km.): 378.3

Emission Point: 00008
Height (ft.): 180 Diameter (in.): 72
NYTMN (km.): 4700.1 NYTME (km.): 378.3

**Item 121.4:**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1-CHP07

Emission Point: 00009
Height (ft.): 91 Diameter (in.): 7
NYTMN (km.): 4700.1 NYTME (km.): 378.3

Emission Point: 00010
Height (ft.): 91 Diameter (in.): 7
NYTMN (km.): 4700.1 NYTME (km.): 378.3

**Item 121.5:**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1-CHP08

Emission Point: 00002
Height (ft.): 225 Diameter (in.): 132
NYTMN (km.): 4700.1 NYTME (km.): 378.3 Building: 5510B

**Item 121.6:**

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

Emission Unit: 2-PAINT

Emission Point: OPB02
Height (ft.): 35 Diameter (in.): 36
NYTMN (km.): 4699.9 NYTME (km.): 378.6 Building: 4009

**Item 121.7:**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 2-WDSHP

Emission Point: OWS02
Height (ft.): 27 Diameter (in.): 24
NYTMN (km.): 4699.9 NYTME (km.): 378.6 Building: 4009

**Condition 122: Process Definition By Emission Unit**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 122.1:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-CHP01
Process: 67G Source Classification Code: 1-02-006-01
Process Description:
PROCESS 67G CONSISTS OF NATURAL GAS COMBUSTION IN A 145 MMBTU/HR BOILER. THIS PROCESS APPLIES TO BOILER 6 AND/OR BOILER 7. ALL PROCESS APPLICABLE REQUIREMENTS AND REPORTED PROCESS EMISSIONS APPLY TO EACH BOILER. FGR IS OPTIONALLY USED FOR NOx CONTROL IN BOILERS 6 AND 7.

Emission Source/Control: BOIL6 - Combustion

Emission Source/Control: BOIL7 - Combustion

**Item 122.2:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-CHP01
Process: 67O Source Classification Code: 1-02-004-01
Process Description:
PROCESS 67O CONSISTS OF COMBUSTION OF OIL (DIESEL FUEL OIL OR WASTE FUEL A). THE DESIGN CAPACITY OF THE UNIT WHEN FIRING FUEL OIL IS 138 MILLION Btu'S PER HOUR. THIS PROCESS APPLIES TO BOILER 6 AND/OR BOILER 7. ALL PROCESS APPLICABLE

REQUIREMENTS AND REPORTED PROCESS EMISSIONS
APPLY TO EACH BOILER. FGR IS OPTIONALLY
USED FOR NOX CONTROL IN BOILERS 6 AND 7.

Emission Source/Control: BOIL6 - Combustion

Emission Source/Control: BOIL7 - Combustion

**Item 122.3:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-CHP01
Process: B8C Source Classification Code: 1-02-002-05
Process Description:
PROCESS B8C CONSISTS OF COAL COMBUSTION IN
THE 248 MMBTU/HR MASS OVERFEED STOKER
BOILER 8. Boiler 8 is no longer firing
coal and is pending a fuel source
conversion.

Emission Source/Control: BOIL8 - Combustion
Design Capacity: 248 million Btu per hour

Emission Source/Control: FF008 - Control
Control Type: FABRIC FILTER

**Item 122.4:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-CHP03
Process: B5G Source Classification Code: 1-02-006-01
Process Description:
PROCESS B5G IS NATURAL GAS COMBUSTION IN
145 MMBTU/HR BOILER 5.

Emission Source/Control: BOIL5 - Combustion
Design Capacity: 145 million Btu per hour

**Item 122.5:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-CHP06
Process: GDG Source Classification Code: 2-03-002-03
Process Description:
Process GDG consists of natural gas combustion in gas
turbine generator 1 and/or 2, with supplemental duct
burner firing on natural gas.

Emission Source/Control: DBNR1 - Combustion
Design Capacity: 115 million BTUs per hour

Emission Source/Control: DBNR2 - Combustion

Design Capacity: 115 million BTUs per hour

Emission Source/Control: GTG01 - Combustion
Design Capacity: 155 million BTUs per hour

Emission Source/Control: GTG02 - Combustion
Design Capacity: 155 million BTUs per hour

Emission Source/Control: OXCT1 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: OXCT2 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SCR02 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 122.6:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-CHP06
Process: GDO Source Classification Code: 2-03-001-02
Process Description:
Process GDO consists of distillate fuel oil (ultra low sulfur diesel) combustion in gas turbine generator a and/or 2, with supplemental duct burner firing on natural gas.

Emission Source/Control: DBNR1 - Combustion
Design Capacity: 115 million BTUs per hour

Emission Source/Control: DBNR2 - Combustion
Design Capacity: 115 million BTUs per hour

Emission Source/Control: GTG01 - Combustion
Design Capacity: 155 million BTUs per hour

Emission Source/Control: GTG02 - Combustion
Design Capacity: 155 million BTUs per hour

Emission Source/Control: OXCT1 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: OXCT2 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SCR02 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 122.7:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-CHP06
Process: GTG Source Classification Code: 2-03-002-03
Process Description:
Process GTG consists of natural gas combustion in gas turbine generator 1 and/or 2 without supplemental duct burner firing.

Emission Source/Control: GTG01 - Combustion
Design Capacity: 155 million BTUs per hour

Emission Source/Control: GTG02 - Combustion
Design Capacity: 155 million BTUs per hour

Emission Source/Control: OXCT1 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: OXCT2 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SCR02 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 122.8:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-CHP06
Process: GTO Source Classification Code: 2-03-001-02
Process Description:
Process GTO consists of distillate fuel oil combustion (ultra low sulfur diesel) in gas turbine generator 1 and/or 2, without supplemental duct burner firing.

Emission Source/Control: GTG01 - Combustion
Design Capacity: 155 million BTUs per hour

Emission Source/Control: GTG02 - Combustion
Design Capacity: 155 million BTUs per hour

Emission Source/Control: OXCT1 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: OXCT2 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SCR02 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 122.9:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-CHP07
Process: G2E Source Classification Code: 2-03-001-01
Process Description:
Process G2E consists of two (2) 1000 kW diesel generators used to generate power during emergency situations.

Emission Source/Control: DGEN2 - Combustion
Design Capacity: 1,000 kilowatts

Emission Source/Control: DGEN3 - Combustion
Design Capacity: 1,000 kilowatts

**Item 122.10:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-CHP08
Process: B9G Source Classification Code: 1-02-006-01
Process Description:
Gas firing in a 200 mmBtu/hr dual fuel package boiler, Emission Source BOI09.

Emission Source/Control: BOI09 - Combustion
Design Capacity: 200 million Btu per hour

**Item 122.11:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-CHP08
Process: B9O Source Classification Code: 1-02-005-01
Process Description:
Distillate oil firing in a 200 mmBtu/hr dual fuel package boiler, Emission Source BOI09.

Emission Source/Control: BOI09 - Combustion
Design Capacity: 200 million Btu per hour

**Item 122.12:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-FD001
Process: GD1 Source Classification Code: 4-06-004-01
Process Description:

gasoline dispensing, throughput greater than 120,000 gpy
and a monthly throughput less than 100,000 gallons.

Emission Source/Control: FD001 - Process

**Item 122.13:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-FD001
Process: GD2 Source Classification Code: 4-06-004-01
Process Description:
Gasoline dispensing with a monthly throughput less than
10,000 gallons

Emission Source/Control: FD002 - Process

**Item 122.14:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 2-PAINT
Process: PB2 Source Classification Code: 4-02-999-98
Process Description:
PROCESS PB2 CONSISTS OF APPLYING SURFACE COATINGS TO A VARIETY OF WOOD AND METAL SUBSTRATES AS PART OF THE MAINTENANCE AND REPAIR OF UNIVERSITY EQUIPMENT/INFRASTRUCTURE. EXAMPLES OF SUCH ITEMS INCLUDE (BUT ARE NOT LIMITED TO) PUMPS, VALVES, DOORS, HANDRAILS, RADIATOR COVERS, AND HVAC DUCTWORK. IN ADDITION, THE PAINT BOOTH IS USED TO APPLY SURFACE COATINGS TO WOOD FURNITURE MADE IN THE CARPENTER SHOP FOR ON-SITE USE.

Emission Source/Control: 0PBF2 - Control Removal Date: 05/16/2012
Control Type: MAT OR PANEL FILTER

Emission Source/Control: OPBF2 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 0PB02 - Process Removal Date: 05/16/2012

Emission Source/Control: OPB02 - Process

**Item 122.15:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 2-PAINT
Process: PB3 Source Classification Code: 6-82-400-31
Process Description: Miscellaneous paint stripping operations

Emission Source/Control: OPB03 - Process

**Item 122.16:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 2-WDSHP
Process: WS2 Source Classification Code: 4-02-007-11
Process Description:
PROCESS WS2 CONSISTS OF APPLYING ADHESIVE TO WOOD BOARDS, PANELS, VENEER AND OTHER SUBSTRATES USED TO MAKE WOOD FURNITURE FOR ON-SITE USE BY THE UNIVERSITY.

Emission Source/Control: OWS02 - Process

**Item 122.17:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: R-ENTL
Process: RBO Source Classification Code: 1-02-005-01
Process Description:
Combustion of low sulfur (less than 0.5 weight percent) distillate oil in rental boilers.

Emission Source/Control: RBOI1 - Combustion
Design Capacity: 96 million Btu per hour

Emission Source/Control: RBOI2 - Combustion
Design Capacity: 96 million Btu per hour

**Item 122.18:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: V-ALKHY
Process: ALK Source Classification Code: 3-02-038-01
Process Description:
Alkaline hydrolysis process used for dissolving carcasses.

Emission Source/Control: ALKDI - Process

**Condition 123: Emission Unit Permissible Emissions**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 123.1:**
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: 1-CHP07

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 80,000 pounds per year

**Condition 124: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 124.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

**Item 124.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

This condition applies to boilers 6, 7 and 8. Opacity from each boiler shall not be greater than 20 % for any six minute average, except for one six minute average per hour of not greater than 27%. Compliance shall be determined by continuously monitoring opacity with continuous opacity monitors located in the breeching of each boiler (6, 7& 8).

This opacity standard applies at all times, including periods of startup, shutdown and malfunction, but violations of this standard may be exceused by the Commissioner of the DEC provided the the owner or operator complies with the recordkeeping and reporting requirements of 6 NYCRR 201-1.4.

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 and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, the facility owner and/or operator shall submit to the DEC a written report describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

Manufacturer Name/Model Number: TML Lighthawk 560
Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: 40 CFR 60 APP B

Monitoring Frequency: CONTINUOUS
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 125: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 227-1.4 (b)**

**Item 125.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

**Item 125.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

THE OWNER OR OPERATOR SHALL INSTALL, OPERATE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, AND PROPERLY MAINTAIN, ACCURATE INSTRUMENTS SATISFYING THE CRITERIA IN APPENDIX B OF TITLE 40, PART 60 OF THE CODE OF FEDERAL REGULATIONS, FOR CONTINUOUSLY MONITORING AND RECORDING OPACITY FROM EACH OF THE BOILERS EXHAUSTING TO EMISSION POINT EP00001.
THE OWNER OR OPERATOR SHALL SUBMIT AN ACCURATE EXCESS EMISSIONS AND MONITORING SYSTEM PERFORMANCE REPORT TO THE DEPARTMENT FOR EACH CALENDAR YEAR QUARTER. ALL REPORTS SHALL BE CERTIFIED BY A RESPONSIBLE CORPORATE OFFICIAL AS TRUE, ACCURATE AND COMPLETE AND POSTMARKED BY THE 60TH DAY FOLLOWING THE END OF EACH CALENDAR QUARTER. THE QUARTERLY EXCESS EMISSIONS REPORT SHALL BE SUBMITTED IN A FORM ACCEPTABLE TO THE DEPARTMENT AND SHALL INCLUDE THE FOLLOWING INFORMATION:

1. THE MAGNITUDE, DATE AND TIME OF EACH 6-MINUTE BLOCK AVERAGE DURING WHICH THE AVERAGE OPACITY OF EMISSIONS EXCEEDED 20 PERCENT, EXCEPT FOR ONE SIX MINUTE BLOCK AVERAGE PER HOUR NOT TO EXCEED 27 PERCENT;

2. FOR EACH PERIOD OF EXCESS EMISSION, SPECIFIC IDENTIFICATION OF THE CAUSE AND CORRECTIVE ACTION TAKEN;

3. IDENTIFICATION OF ALL PERIODS OF COMS DOWNTIME, INCLUDING THE DATE, TIME AND DURATION OF EACH INOPERABLE PERIOD, AND THE CAUSE AND CORRECTIVE ACTION FOR EACH COMS DOWNTIME PERIOD;

4. THE TOTAL TIME IN WHICH THE COMS ARE REQUIRED TO RECORD DATA DURING THE REPORTING PERIOD;

5. THE TOTAL NUMBER OF EXCEEDANCES AND THE DURATION OF EXCEEDANCES EXPRESSED AS A PERCENTAGE OF THE TOTAL TIME IN WHICH THE COMS ARE REQUIRED TO RECORD DATA; AND

6. SUCH OTHER THINGS AS THE DEPARTMENT MAY DEEM NECESSARY, PROPER OR DESIRABLE IN ORDER TO ENFORCE ARTICLE 19 OF THE ENVIRONMENTAL CONSERVATION LAW OR THE RULES PROMULGATED THEREUNDER.

Manufacturer Name/Model Number: TML Lighthawk 560
Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: PART60, APP B, PS1
Monitoring Frequency: CONTINUOUS
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 126: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 227-2.4 (b) (1)**

**Item 126.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67G

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

**Item 126.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

The owner or operator must comply with 6 NYCRR 227-2. Boilers 6 and 7 are large boilers.

Prior to July 1, 2014, the owner or operator shall not cause or allow the emission of NOx from either boiler 6 or boiler 7 in excess of 0.30 lb/mmBtu when combusting gas or oil. Compliance shall be determined on a 24 hour, heat-input weighted block average from May 1 to September 30, and on a 30 day rolling heat-input weighted average from October 1 through April 30.

On and after July 1, 2014, the owner or operator shall not cause or allow the emission of NOx from either boiler 6 or boiler 7 in excess of 0.15 lb/mmBtu when combusting gas or oil. Compliance shall be determined on a 24 hour, heat-input weighted block average from May 1 to September 30, and on a 30 day rolling heat-input weighted average from October 1 through April 30.

The owner or operator shall monitor emissions of NOx using the procedures found in 40 CFR Part 60, Subpart Db.

The owner or operator shall submit to the DEC, on a quartely basis, reports of excess emssions of NOx. Such reports shall state the date, time and magnitude of the excess emission, the cause of the excess emission and the corrective action taken. The owner or operator shall also submit to the DEC a report of the time periods that the NOx monitoring system is not operating, and state the date and time of each period that the system was not operating properly, the reason, and the corrective action taken, if necessary.

Manufacturer Name/Model Number: In-situ
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: 40 CFR Part60, Appendices B and F
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 127: Recordkeeping requirements.**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 127.1:**
This Condition applies to Emission Unit: 1-CHP01
Process: 67G

**Item 127.2:**
Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

**Condition 128: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 128.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67G

**Item 128.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Affected owners or operators shall submit an excess emissions report semi-annually based on the calendar year (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be postmarked no later than 30 calendar days following the end of the reporting period, and shall contain the following information:

1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;

2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;

3) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero span checks and the nature of the system repairs or adjustments; and

4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be provided in the report.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 129: Excess Emissions Report**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 129.1:**
This Condition applies to Emission Unit: 1-CHP01
Process: 67G

**Item 129.2:**
A summary report form, for each pollutant monitored, shall be sent to the Administrator in the form prescribed in Figure 1 of 40 CFR Part 60.7(d).

**Condition 130: Facility files for subject sources.**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 130.1:**
This Condition applies to Emission Unit: 1-CHP01
Process: 67G

**Item 130.2:**
The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspection. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

**Condition 131: Compliance with Standards and Maintenance Requirements**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 131.1:**
This Condition applies to Emission Unit: 1-CHP01
Process: 67G

**Item 131.2:**
At all times, including periods of startup, shutdown, and malfunction, owners and operators of this facility shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Department and the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source

**Condition 132: Circumvention.**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A**

**Item 132.1:**
This Condition applies to Emission Unit: 1-CHP01
Process: 67G

**Item 132.2:**
No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

**Condition 133: Monitoring requirements.**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A**

**Item 133.1:**
This Condition applies to Emission Unit: 1-CHP01
Process: 67G

**Item 133.2:**
All continuous monitoring systems and devices shall be installed, calibrated, maintained, and operated in accordance with the requirements of section 60.13.

**Condition 134: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.44b(a)(1), NSPS Subpart Db**

**Item 134.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67G

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

**Item 134.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
BOILERS 6 AND 7 ARE SUBJECT TO 40 CFR 60.44b(a). THE NOx NSPS LIMIT FOR PROCESS 67G (Burning gas in Boilers 6 and 7) IS 0.10 LB/MMBTU COMPUTED ON A 30 DAY ROLLING AVERAGE.

THE FACILITY SHALL NOT CAUSE OR ALLOW EMISSIONS OF NOX IN EXCESS OF 0.10 LB/MMBTU FROM EITHER BOILER 6 OR BOILER 7 WHEN COMBUSTING NATURAL GAS, COMPUTED ON A 30 DAY ROLLING AVERAGE. THE OWNER OR OPERATOR SHALL MONITOR EMISSIONS USING THE MONITORING SYSTEM REQUIRED UNDER 40 CFR PART 60, SUBPART DB.

Manufacturer Name/Model Number: MONITOR LABS SM8175 or equivalent
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.1 pounds per million Btus
Reference Test Method: 40 CFR 60, App B and F
Monitoring Frequency: CONTINUOUS
Averaging Method: 30-DAY ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 135: Compliance methods for oxides of nitrogen.**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.46b, NSPS Subpart Db**

**Item 135.1:**
This Condition applies to Emission Unit: 1-CHP01
Process: 67G

**Item 135.2:**
Oxides of nitrogen emission standards in section 40 CFR 60-Db.44b shall apply at all times.

**Condition 136: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.49b(d), NSPS Subpart Db**

**Item 136.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67G

**Item 136.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for each calendar quarter. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.

Monitoring Frequency: DAILY
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 137: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.49b(g), NSPS Subpart Db**

**Item 137.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67G

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

**Item 137.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator shall maintain records of the following information for each steam generating unit operating day:

1) Calendar date.
2) The average hourly nitrogen oxides emission rates (expressed as NO2) (ng/J or lb/million Btu heat input) measured or predicted.

3) The 30-day average nitrogen oxides emission rates (ng/J or lb/million Btu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceeding 30 steam generating unit operating days.
4) Identification of the steam generating unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emission standards under 40CFR60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.
5) Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.
6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.
7) Identification of the "F" factor used for calculations, method of determination, and type of fuel combusted.
8) Identification of the times when the pollutant concentration exceeded the full span of the continuous monitoring system.
9) Description of any modifications to the continuous monitoring system that could affect the ability of the system to comply with Performance Specification 2 or 3.
10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40CFR60 Appendix F, Procedure 1.

Monitoring Frequency: DAILY
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 138: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.49b(h), NSPS Subpart Db**

**Item 138.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67G

**Item 138.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator shall submit semiannual excess emission reports for opacity and/or, oxides of nitrogen, and/or sulfur dioxide any reporting period during which there are excess emissions from the affected facility. If there are no excess emissions during the reporting period, the owner or operator shall submit a report semiannually stating that no excess emissions occurred during that semiannual reporting period.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 139: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.49b(i), NSPS Subpart Db**

**Item 139.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67G

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

**Item 139.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of any affected facility subject to the continuous monitoring requirements for nitrogen oxides under §60.48b shall submit reports containing the information recorded under 40CFR60.49b(g). All reports shall be postmarked by the 30th day following the end of each semiannual period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 140: Records Retention**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.49b(o), NSPS Subpart Db**

**Item 140.1:**
This Condition applies to Emission Unit: 1-CHP01
Process: 67G

**Item 140.2:**
All records required under this section shall be maintained by the owner or operator of the affected facility for a period of 2 years following the date of such record.

**Condition 141: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 225-2.3 (b) (1)**

**Item 141.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67O

**Item 141.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
THE OWNER OR OPERATOR MAY BURN WASTE FUEL A, AS DEFINED IN 6 NYCRR 225-2, IN BOILERS 6, OR 7, PROVIDED THE FOLLOWING CONDITIONS ARE MET.

1. ONLY WASTE FUEL A (SUBPART 225-2) AND WASTE OIL MEETING THE REQUIREMENTS FOR EXEMPTION UNDER 40 CFR 266, SUBPART E SHALL BE BURNED.

2. INDIVIDUAL BOILERS MUST DEMONSTRATE 99% OR GREATER COMBUSTION EFFICIENCY WHEN BURNING WASTE FUEL. COMBUSTION EFFICIENCY SHALL BE DETERMINED IN CONFORMANCE WITH AIR GUIDE 17, APPENDIX III.

3. FUEL ANALYSES MUST COMPLY WITH THE ANALYTICAL METHODS REFERENCED IN AIR GUIDE 17, APPENDIX II.

4. THE OWNER OR OPERATOR IS ALLOWED TO BLEND ("BULK UP") OILS FROM CAMPUS FACILITIES FOR THE PURPOSE OF SAMPLING AND ANALYSIS (OF EACH BATCH) PRIOR TO BURNING. THE OWNER OR OPERATOR SHALL

RECORD AND MAINTAIN RECORDS SHOWING THE ORIGIN OF THE WASTE FUEL, THE TYPE OF OIL, AND THE QUANTITY AND DATE DELIVERED TO THE BULK TANK.

5. THE FIRING RATE FOR WASTE FUEL A SHALL NOT EXCEED 10% FOR THE FIRING RATE, ON A BTU BASIS, OF THE PRIMARY FUEL TO THE BOILER. BOILERS 6 AND 7 MUST BE STABILIZED AT OR ABOVE 40 MMBTU/HR HEAT INPUT WHEN FIRING WASTE FUEL A.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 142: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 227-1.2 (a) (1)**

**Item 142.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67O

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

**Item 142.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
THE OWNER OR OPERATOR SHALL NOT CAUSE OR ALLOW AN EMISSION INTO THE OUTDOOR ATMOSPHERE OF PARTICULATES IN EXCESS OF 0.10 LB/MMBTU FOR BOILERS 6 OR 7 WHEN FIRING OIL (PROCESS 67O). COMPLIANCE SHALL BE DETERMINED USING STACK TESTING ACCORDING TO METHODS FOUND AT 40 CFR PART 60 APPENDIX A. STACK TESTING SHALL BE CONDUCTED AT LEAST ONCE PER PERMIT TERM, AND ADDITIONALLY UPON REQUEST FROM THE DEPARTMENT. STACK TESTING IS NOT REQUIRED IF THE BOILER HAS NOT OPERATED MORE THAN 168 HOURS DURING ANY CALENDAR YEAR PERIOD DURING THE PERMIT TERM, UNLESS SPECIFICALLY REQUESTED BY THE DEC PURSUANT TO 6 NYCRR 202-1.1.

Upper Permit Limit: 0.1 pounds per million Btus
Reference Test Method: PART60,APP A, METH 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 143: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 227-2.4 (b) (1)**

**Item 143.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67O

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

**Item 143.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
The owner or operator must comply with 6 NYCRR 227-2. Boilers 6 and 7 are large boilers.

Prior to July 1, 2014, the owner or operator shall not cause or allow the emission of NOx from either boiler 6 or boiler 7 in excess of 0.30 lb/mmBtu when combusting gas or oil. Compliance shall be determined on a 24 hour, heat-input weighted block average from May 1 to September 30, and on a 30 day rolling heat-input weighted average from October 1 through April 30.

On and after July 1, 2014, the owner or operator shall not cause or allow the emission of NOx from either boiler 6 or boiler 7 in excess of 0.15 lb/mmBtu when combusting gas or oil. Compliance shall be determined on a 24 hour, heat-input weighted block average from May 1 to September 30, and on a 30 day rolling heat-input weighted average from October 1 through April 30.

The owner or operator shall monitor emissions of NOx using the procedures found in 40 CFR Part 60, Subpart Db.

The owner or operator shall submit to the DEC, on a quartely basis, reports of excess emssions of NOx. Such reports shall state the date, time and magnitude of the excess emission, the cause of the excess emission and the

corrective action taken. The owner or poerator shall also submit to the DEC a report of the time periods that the NOx monitoring system is not operating, and state the date and time of each period that the system was not operating properly, the reason, and the corrective action taken, if necessary.

Manufacturer Name/Model Number: In situ monitor
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: 40 CFR Part60, Appendices B and F
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 144: Recordkeeping requirements.**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 144.1:**
This Condition applies to Emission Unit: 1-CHP01
Process: 67O

**Item 144.2:**
Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

**Condition 145: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 145.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67O

**Item 145.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Affected owners or operators shall submit an excess

emissions report semi-annually based on the calendar year (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be postmarked no later than 30 calendar days following the end of the reporting period, and shall contain the following information:

1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;

2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;

3) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero span checks and the nature of the system repairs or adjustments; and

4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be provided in the report.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 146: Excess Emissions Report**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 146.1:**
This Condition applies to Emission Unit: 1-CHP01
Process: 67O

**Item 146.2:**
A summary report form, for each pollutant monitored, shall be sent to the Administrator in the form prescribed in Figure 1 of 40 CFR Part 60.7(d).

**Condition 147: Facility files for subject sources.**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 147.1:**
This Condition applies to Emission Unit: 1-CHP01
Process: 67O

**Item 147.2:**
The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspection. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

**Condition 148: Compliance with Standards and Maintenance Requirements**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 148.1:**
This Condition applies to Emission Unit: 1-CHP01
Process: 67O

**Item 148.2:**
At all times, including periods of startup, shutdown, and malfunction, owners and operators of this facility shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Department and the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source

**Condition 149: Circumvention.**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A**

**Item 149.1:**
This Condition applies to Emission Unit: 1-CHP01
Process: 67O

**Item 149.2:**
No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

**Condition 150: Monitoring requirements.**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A**

**Item 150.1:**
This Condition applies to Emission Unit: 1-CHP01
Process: 67O

**Item 150.2:**
All continuous monitoring systems and devices shall be installed, calibrated, maintained, and operated in accordance with the requirements of section 60.13.

**Condition 151: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.42b(a), NSPS Subpart Db**

**Item 151.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67O

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

**Item 151.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Units 6 and 7 are subject to the sulfur dioxide limit in 40 CFR Part 60, Subpart Db.

Except as provided by 40 CFR 60.42b(b), (c), (d), or (j), no owner or operator that combusts oil shall cause to be discharged into the atmosphere any gases that contain SO2 in excess of 87 ng/J (0.20 lb/MMBtu) or 10 percent of the potential SO2 emission rate (90 percent reduction) and the emission limit determined according to the formula in 40 CFR 60.42b, which computes to 340 ng/J (or 0.80 lb.MMBtu) for fuel oil. Cornell is complying with 40 CFR 60.42b(j).

Pursuant to 40 CFR 60.42b(j), percent reduction requirements are not applicable to facilities combusting only very low sulfur oil. The owner or operator of an affected facility combusting very low sulfur oil shall demonstrate that the oil meets the definition of very low sulfur oil by: (1) following the performance testing procedures as described in 40 CFR 60.45b(c) or 40 CFR

60.45b(d), and following the monitoring procedures as described in 40 CFR 60.47b(a) or 40 CFR 60.47b(b) to determine SO2 emission rate or fuel oil sulfur content; or (2) maintaining fuel records as described in 40 CFR 60.49b(r).

Very low sulfur oil means for units constructed, reconstructed, or modified on or before February 28, 2005, oil that contains no more than 0.5 weight percent sulfur or that, when combusted without SO2emission control, has a SO2emission rate equal to or less than 215 ng/J (0.5 lb/MMBtu) heat input.

These units are also subject to the sulfur limit in 6 NYCRR 225. Compliance with this condition does not waive the requirement to comply with 6 NYCRR 225.

Compliance will be demonstrated through vendor receipts as provided in 40 CFR 60.42b(j)(2).

Parameter Monitored: SULFUR
Upper Permit Limit: 0.5 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 152: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.43b(f), NSPS Subpart Db**

**Item 152.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67O

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

**Item 152.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
EMISSIONS FROM BOILERS 6 AND 7 (PROCESS

67O) ARE SUBJECT TO 40 CFR 60.43b(f).
THE OWNER OR OPERATOR SHALL NOT CAUSE TO BE DISCHARGED INTO THE ATMOSPHERE ANY GASES THAT EXHIBIT GREATER THAN 20 PERCENT OPACITY (6 MINUTE AVERAGE), EXCEPT FOR ONE 6-MINUTE PERIOD PER HOUR OF NOT MORE THAN 27 PERCENT OPACITY. PURSUANT TO 40 CFR 60.43b(g), THE SUBPART Db OPACITY STANDARD SHALL APPLY AT ALL TIMES, EXCEPT DURING STARTUP, SHUTDOWN OR MALFUNCTION.

Manufacturer Name/Model Number: TML Lighthawk 560
Upper Permit Limit: 20 percent
Reference Test Method: PART 60, APP B, PS1
Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 153: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.44b(a)(1), NSPS Subpart Db**

**Item 153.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67O

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

**Item 153.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
BOILERS 6 AND 7 ARE SUBJECT TO 40 CFR 60.44b(a). THE NSPS LIMIT FOR PROCESS 67O (BURNING OIL IN EITHER BOILER 6 OR BOILER 7) IS 0.10 LB/MMBTU COMPUTED ON A 30 DAY ROLLING AVERAGE.

THE FACILITY SHALL NOT CAUSE OR ALLOW EMISSIONS OF NOX IN EXCESS OF 0.10 LB/MMBTU FROM EITHER BOILER 6 OR BOILER 7 WHEN COMBUSTING FUEL OIL, COMPUTED ON A

30 DAY ROLLING AVERAGE. THE OWNER OR OPERATOR SHALL MONITOR EMISSIONS USING THE MONITORING SYSTEM REQUIRED UNDER 40 CFR PART 60, SUBPART DB.

The owner or operator shall submit to the DEC a report of excess emissions and CEM downtime on a semi-annual calendar basis.

Manufacturer Name/Model Number: Monitor Labs SM8175 or equivalent
Upper Permit Limit: 0.10 pounds per million Btus
Reference Test Method: 40 CFR Part60, Appendix B and F
Monitoring Frequency: CONTINUOUS
Averaging Method: 30-DAY ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 154: Compliance methods for opacity.**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.46b, NSPS Subpart Db**

**Item 154.1:**
This Condition applies to Emission Unit: 1-CHP01
Process: 67O

**Item 154.2:**
**The opacity standards in section 40 CFR 60-Db.43b shall apply at all times except during periods of startup, shutdown and malfunction.**

**Condition 155: Compliance methods for oxides of nitrogen.**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.46b, NSPS Subpart Db**

**Item 155.1:**
This Condition applies to Emission Unit: 1-CHP01
Process: 67O

**Item 155.2:**
Oxides of nitrogen emission standards in section 40 CFR 60-Db.44b shall apply at all times.

**Condition 156: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.49b(d), NSPS Subpart Db**

**Item 156.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67O

**Item 156.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for each calendar quarter. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.

Monitoring Frequency: DAILY
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 157: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.49b(g), NSPS Subpart Db**

**Item 157.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67O

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

**Item 157.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator shall maintain records of the following information for each steam generating unit operating day:

1) Calendar date.
2) The average hourly nitrogen oxides emission rates (expressed as NO2) (ng/J or lb/million Btu heat input) measured or predicted.
3) The 30-day average nitrogen oxides emission rates

(ng/J or lb/million Btu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceeding 30 steam generating unit operating days.
4) Identification of the steam generating unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emission standards under 40CFR60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.
5) Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.
6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.
7) Identification of the "F" factor used for calculations, method of determination, and type of fuel combusted.
8) Identification of the times when the pollutant concentration exceeded the full span of the continuous monitoring system.
9) Description of any modifications to the continuous monitoring system that could affect the ability of the system to comply with Performance Specification 2 or 3.
10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40CFR60 Appendix F, Procedure 1.

Monitoring Frequency: DAILY
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 158: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.49b(h), NSPS Subpart Db**

**Item 158.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67O

**Item 158.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator shall submit semiannual excess

emission reports for opacity and/or, oxides of nitrogen, and/or sulfur dioxide any reporting period during which there are excess emissions from the affected facility. If there are no excess emissions during the reporting period, the owner or operator shall submit a report semiannually stating that no excess emissions occurred during that semiannual reporting period.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 159: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.49b(i), NSPS Subpart Db**

**Item 159.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67O

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

**Item 159.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of any affected facility subject to the continuous monitoring requirements for nitrogen oxides under §60.48b shall submit reports containing the information recorded under 40CFR60.49b(g). All reports shall be postmarked by the 30th day following the end of each semiannual period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 160: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.49b(j), NSPS Subpart Db**

**Item 160.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67O

**Item 160.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of an affected facility subject to the sulfur dioxide standards under 60.42b shall submit written reports to the Administrator for every semiannual reporting period. All reports shall be postmarked by the 30th day following the end of each semiannual reporting period.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 161: Records Retention**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.49b(o), NSPS Subpart Db**

**Item 161.1:**
This Condition applies to Emission Unit: 1-CHP01
Process: 67O

**Item 161.2:**
All records required under this section shall be maintained by the owner or operator of the affected facility for a period of 2 years following the date of such record.

**Condition 162: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 227-1.2 (a) (4)**

**Item 162.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: B8C

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

**Item 162.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
THE OWNER OR OPERATOR SHALL NOT CAUSE OR ALLOW AN EMISSION INTO THE OUTDOOR ATMOSPHERE OF PARTICULATES IN EXCESS OF 0.3 LB/MMBTU FOR BOILER 8 WHEN FIRING COAL (PROCESS B8C). COMPLIANCE SHALL BE DETERMINED USING STACK TESTING ACCORDING TO METHODS FOUND AT 40 CFR PART 60 APPENDIX A. STACK TESTING SHALL BE CONDUCTED AT LEAST ONCE PER PERMIT TERM, AND ADDITIONALLY UPON REQUEST FROM THE DEPARTMENT. STACK TESTING IS NOT REQUIRED IF THE BOILER HAS NOT OPERATED MORE THAN 168 HOURS DURING ANY ANNUAL PERIOD (BASED ON THE PERMIT ANNIVERSARY DATE) DURING THE PERMIT TERM, UNLESS SPECIFICALLY REQUESTED BY THE DEC PURSUANT TO 6 NYCRR 202-1.1.

Upper Permit Limit: 0.3 pounds per million Btus
Reference Test Method: PART 60,APP A, METH5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 163: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 227-2.5 (c)**

**Item 163.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: B8C

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

**Item 163.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The owner or operator must comply with 6 NYCRR 227-2, NOx RACT. Boiler 8 is a large boiler.

Prior to July 1, 2014, emissions of NOx from Boiler 8 shall not exceed 0.40 pounds NOx per million Btu on a one-hour average. Compliance shall be determined using

stack testing according to methods found at 40 CFR Part 60, Appendix A. Stack testing is not required if the boiler operates less than 168 hours during any annual period.

On and after July 1, 2014, and prior to re-commencing operation,
1) the owner or operator shall submit to the DEC a case-specific NOx RACT analysis for Boiler 8 consistent with the provisions of Part 227-2.4(b)(2) as an element of a modification application for fuel conversion, or
2) if a NOx RACT determination is not submitted by the NOx RACT compliance deadline of July 1, 2014, the owner or operatorshall no longer operate the boiler until a modification application is submitted, processed and issued.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.40 pounds per million Btus
Reference Test Method: 40 CFR Part 60, Appendix A, Method 7E.
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 164: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 257-1.4**

**Item 164.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: B8C

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

**Item 164.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
EMISSIONS FROM THIS SOURCE ARE SUBJECT TO 6 NYCRR 200.6 AND 6 NYCRR 257-1.4.

THESE RULES PROVIDE THAT 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.

IN ORDER TO MAINTAIN COMPLIANCE WITH THE SULFUR DIOXIDE AMBIENT STANDARD, THE SULFUR CONTENT OF COAL BURNED IN BOILER 8 (PROCESS B8C) SHALL NOT EXCEED 1.2% BY WEIGHT, AS MEASURED FOR ANY AND ALL FUEL SAMPLES.

SAMPLING AND ANALYSIS SHALL BE CONDUCTED IN ACCORDANCE WITH A DEC-APPROVED PROTOCOL. COPIES OF THE PROTOCOL AND DEC'S APPROVAL MUST BE MAINTAINED ON SITE AT ALL TIMES. THE OWNER OR OPERATOR SHALL SUBMIT TO THE DEPARTMENT SAMPLING AND ANALYSIS REPORTS ON A CALENDAR QUARTER BASIS.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 1.2 percent by weight
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 165: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 257-1.4**

**Item 165.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: B8C

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

**Item 165.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
EMISSIONS FROM THIS SOURCE ARE SUBJECT TO 6 NYCRR 200.6 AND 6 NYCRR 257-1.4.

THESE RULES PROVIDE THAT 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.

IN ORDER TO MAINTAIN COMPLIANCE WITH THE SULFUR DIOXIDE AMBIENT STANDARD, THE SULFUR CONTENT OF COAL BURNED IN BOILER 8 (PROCESS B8C) SHALL NOT EXCEED 1.0% BY WEIGHT FOR EACH ROLLING 12 MONTH ROLLING PERIOD.

SAMPLING AND ANALYSIS SHALL BE CONDUCTED IN ACCORDANCE WITH A DEC-APPROVED PROTOCOL. COPIES OF THE PROTOCOL AND DEC'S APPROVAL MUST BE MAINTAINED ON SITE AT ALL TIMES. THE OWNER OR OPERATOR SHALL SUBMIT TO THE DEPARTMENT SAMPLING AND ANALYSIS REPORTS ON A CALENDAR QUARTER BASIS.

Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 1.0 percent by weight
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 166: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 227-2.4 (b) (1)**

**Item 166.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP03

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

**Item 166.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

Boiler 5 is a large boiler subject to 6 NYCRR 227-2.4(b)(1)(i). This condition is applicable until June 30, 2014.

The owner or operator shall not cause or allow emissions of NOx to the atmosphere in excess of 0.20 lb/mmBtu. Compliance shall be determined using stack testing conducted according to methods found at 40 CFR Part 60, Appendix A. Stack testing shall be conducted at least once per permit term. Stack testing shall not be required if the boiler has not operated more than 168 hours during any calendar year during the term of the permit, unless specifically requested by the DEC pursuant to 6 NYCRR 202-1.1.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.20 pounds per million Btus
Reference Test Method: 40 CFR Part 60, Appendix A, method 7E
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 167: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 227-2.5 (c)**

**Item 167.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP03

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

**Item 167.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
NOx RACT for Boiler 5.

On and after July 1, 2014, Boiler 5 shall be subject to a NOx limit of 0.20 lb NOx/mmBtu, provided that the sum total of emissions of NOx from Boiler 5 in each 12 consecutive calendar month period is less than or equal to 12.2 tons (12 consecutive calendar month rolling period). In the event that the sum total of emissions of NOx in any 12 consecutive calendar month period (12 month total, rolled monthly) exceeds 12.2 tons, Boiler 5 shall meet a NOx limit of 0.06 lb NOx/mmBtu.

Compliance is based on a one hour average using EPA Method 7E or its equivalent. The owner or operator shall conduct emissions testing once per permit term. Testing is not required if Boiler 5 operates less than 168 hours per year in each calendar year in the term of the permit. If emissions exceed 12.2 tons in any 12 consecutive calendar month period, emissions testing shall be conducted no later than 180 operating days after the date that emissions exceeded 12.2 tons. An operating day is any day in which fuel is combusted.

On an annual basis, the owner or operator shall provide, in the annual certification, the total NOx emissions from Boiler 5 for each 12 consecutive calendar month period in that prior calendar year. In the event that emissions in any 12 consecutive calendar month period exceeds 12.2 tons, the owner or operator shall submit to the DEC, within 30 days of exceeding 12.2 tons, a notification of such emissions.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.20 pounds per million Btus
Reference Test Method: EPA Method 7E or equivalent
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 168: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 257-1.4**

**Item 168.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP03

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

**Item 168.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
EMISSIONS FROM THIS SOURCE ARE SUBJECT TO 6 NYCRR 200.6 AND 6 NYCRR 257-1.4.

THESE RULES PROVIDE THAT 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.

IN ORDER TO MAINTAIN COMPLIANCE WITH THE OXIDES OF NITROGEN AMBIENT STANDARD, THE OPERATING HOURS OF BOILER 5 ARE LIMITED TO 2,160 HOURS FOR EACH ROLLING 12 MONTH PERIOD. THE OWNER OR OPERATOR SHALL SUBMIT TO THE DEPARTMENT REPORTS ON A CALENDAR YEAR BASIS.

Monitoring Frequency: HOURLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 169: Compliance Certification**

**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 201-1.4 (a)**

**Item 169.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP06

**Item 169.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

This condition defines startup for determining compliance with NOx, CO and ammonia emission limits.

(a) The owner or operator shall develop and maintain procedures for the cold start of the gas turbine(s) and for the shutdown of the gas turbine(s). Such procedures shall define temperature permissives (and any other operating parameters, if needed) for ammonia injection.

(b) Startup and shutdown shall be accomplished in accordance with the procedures identified in Item (a). The date and time when permissives are achieved, as well as deviations from the procedures developed in accordance with Item (a), shall be noted in a written log (or otherwise documented, such as in a computer system).

(c) The time required for shutdown shall not exceed one-half hour, commencing with the stopping of ammonia flow.

(d) The time required for startup shall not exceed 3 hours, commencing with the first firing of fuel and ending with the conditions for achieving ammonia injection.

(e) Ammonia flow shall be initiated immediately after injection permissives have been achieved.

(f) If ammonia permissives are achieved within the first 30 minutes of a clock hour (e.g., between 0600 and 0630 for clock hour 6), compliance with all limits is required commencing with the next full clock hour after permissives have been achieved (e.g., starting with clock hour 7). If ammonia permisives are achieved during the last 30 minutes of a clock hour (e.g., after 0630 but before 0700), compliance with all limits is required commencing with the

second full clock hour after permissives have been achieved (e.g., starting with clock hour 8).

(g) Emissions shall be monitored and recorded whenever fuel is fired. Periods of excess emissions due to startup and shutdown must be identified in the quarterly excess emissions report. For those periods of excess emissions due to startup or shutdown where procedures deviated from the procedures developed in accordance with Item (a) of this condition, the owner or operator shall describe how the actual startup or shutdown procedures deviated from the written procedures.

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 4/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 170: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 202-1**

**Item 170.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP06

**Item 170.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

This condition applies to each carbon monoxide and ammonia monitors installed at Cornell's Combined Heat and Power Project.

1. The owner or operator shall maintain a CEM plan to monitor emissions (the "CO and Ammonia Monitoring Plan"). The plan shall be approved by the DEC.

2. The CO and Ammonia Monitoring Plan must provide for daily, quarterly and annual quality assurance procedures. These procedures shall meet the procedures in 40 CFR Part 60, Appendices B and F for both CO and ammonia, or alternative procedures approved by the DEC. The quality assurance procedures shall provide for a daily zero and upscale calibration check; quarterly Cylinder Gas Audits (or equivalent, such as a Relative Accuracy Audit, as

approved by the DEC), and an annual Relative Accuracy Test Audit. If a CEM system includes a dual range analyzer, quality assurance procedures must be conducted on both ranges except if a range was not used that quarter, a Cylinder Gas Audit is not required on that range.

3. The CO and Ammonia Monitoring Plan should address routine maintenance and repairs, and include a spare parts list.

4. On a calendar quarter basis, the owner or operator shall submit to the DEC a report of excess emissions. Such report shall include: a list of all periods of excess emissions, including those periods that occur during startup or shutdown; for each period of excess emission, the cause of the excess emission, the duration, the average magnitude of the excess emission and the action taken to bring the emission into compliance; a summary of the CEM down time, including the cause of the down time and, if applicable, the corrective action taken; and the results of any and all quarterly and annual quality assurance procedures (CGAs, RAAs, and RATAs). The quarterly reports are due no later than 30 days after the end of the quarter.

5. The owner or operator shall maintain a file of all measurements, daily calibrations, quarterly and annual quality assurance activities, and repairs and maintenance made to the system. These records must be maintained for a period of three years from the date of occurrence.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 171: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 202-1**

**Item 171.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP06

**Item 171.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

This condition applies to each NOx continuous emission monitoring system installed at Cornell's Combined Heat and Power Project, including each associated diluent CEM.

1. The owner or operator shall maintain a CEM plan to monitor emissions of NOx (the "NOx Monitoring Plan").

2. The NOx Monitoring Plan must provide for daily, quarterly and annual quality assurance procedures. These procedures shall meet the procedures in 40 CFR Part 75, Appendices A and B, and be compliant with 6 NYCRR Part 243, as applicable.

For the low range NOx CEM, the owner or operator must also include a requirement to conduct quarterly cylinder gas audits, Relative Accuracy Audits or Relative Accuracy Test Audits. The gas ranges of the NOx cylinder gases used in the cylinder gas audits must be approved by the DEC.

The acceptance criteria for the CGA is that required by 40 CFR Part 60, Appendix B.

3. The NOx Monitoring Plan should address routine maintenance and repairs, and include a spare parts list.

4. On a calendar quarter basis, the owner or operator shall submit to the DEC a report of excess emissions. Such report shall include: a list of all periods of excess emissions, including those periods that occur during startup or shutdown; for each period of excess emission, the cause of the excess emission, the duration, the average magnitude of the excess emission and the action taken to bring the emission into compliance; a summary of the CEM down time, including the cause of the down time and, if applicable, the corrective action taken; and the results of any and all quarterly and annual quality assurance procedures (CGAs, RAAs, and RATAs). The quarterly reports are due no later than 30 days after the end of the quarter.

5. The owner or operator shall maintain a file of all measurements, daily calibrations, quarterly and annual quality assurance activities,and repairs and maintenance made to the system. These records must be maintained for a period of three years from the date of occurrence.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 172: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60, NSPS Subpart KKKK**

**Item 172.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP06

**Item 172.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The stationary combustion turbines are subject to 40 CFR Part 60, Subpart KKKK, Standards of Performance for Stationary Combustion Turbines. This federal standard imposes emissions limits that are much less stringent than the emissions limits imposed elsewhere in this permit. For example, the NOx emission limits when firing gas and oil are 25 ppm and 74 ppm, respectively (compared to 2.5 ppm and 9.0 ppm). The fuel sulfur limit in the Standards of Performance of 0.060 pounds sulfur per million Btu heat input is also much less stringent than combusting ultra low sulfur diesel.

Pursuant to 40 CFR 60.4333(a), Cornell must operate and maintain each stationary combustion turbine, air pollution control equipment and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown and malfunction.

The Standards of Performance specifies the procedures to be used to determine compliance. Pursuant to 40 CFR 60.4340(b)(1) and 60.4345, Cornell will use continuous emissions monitoring meeting the requirements of 40 CFR Part 75 to demonstrate compliance with the NOx limit. Cornell must implement the quality assurance program and plan description in Section 1 of Appendix B to 40 CFR Part 75.

Cornell will demonstrate compliance with the fuel sulfur limit by demonstrating that the fuel quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract meet the

specifications in 40 CFR 60.4365(a), which are 0.05 weight percent sulfur for fuel oil and 20 grains total sulfur per 100 standard cubic feet for natural gas.

The Standards of Performance also specify recordkeeping and reporting requirements. The quarterly reports required elsewhere satisfy the requirements of 40 CFR 60.4375(a).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 173: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 173.1:**
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 227-2
6 NYCRR Subpart 231-2
40 CFR 52.21

**Item 173.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 173.3:**
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 173.4:**
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 173.5:**
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 173.6:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP07

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

**Item 173.7:**
Compliance Certification shall include the following monitoring:

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

1. The combined operating hours of DGEN 2 and DGEN 3 are limited, in aggregate, to 800 hours per 12 month rolling period.

2. DGEN2 shall not operate more than 500 hours per 12 month rolling period.

3. DGEN3 shall not operate more than 500 hours per 12 month rolling period.

4. The owner or operator shall maintain records showing the number of hours each emergency diesel generated operated in each calendar month. Records demonstrating compliance with this condition shall be maintained at the site and submitted to the DEC upon request.

5. This condition does not waive any other permit requirement that restricts operation of the emergency diesel engines.

6. On an annual basis, the owner or operator shall include in his annual certification a report of the annual operating hours for each engine during the past year. Additionally, if operation of the engines exceeds the limits in this condition, the owner or operator shall submit to the DEC a notification of such excess operation no later than 30 days after such occurrence.

Work Practice Type: HOURS PER YEAR OPERATION
Parameter Monitored: OPERATING HOURS
Upper Permit Limit: 500 hours
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 12-month rolling average

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 174: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 174.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP07

**Item 174.2:**
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:

1. For engines with a maximum engine power less than 37 kW (50 HP):
- 2007 model year engines - emission standards specified in 40 CFR 89.112 and 40CFR 89.113, as applicable,
- 2008 model year and later - emission standards specified in 40 CFR 1039.104, 40 CFR 1039.105, 40 CFR 1039.107, and 40 CFR 1039.115, as applicable.

2. 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: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 175: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.4206, NSPS Subpart IIII**

**Item 175.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP07

**Item 175.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Pursuant to 40 CFR 60.4206 and 60.4211(a), Cornell must operate and maintain the emergency diesel generators according to the manufacturer's written instructions, or procedures developed by the owner or operator that are approved by the engine manufacturer over the life of the engine. Cornell may only change those settings that are permitted by the manufacturer. Cornell must also meet the requirements of 40 CFR Parts 89, 94 and/or 1068 as applicable.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 176: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.4207, NSPS Subpart IIII**

**Item 176.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP07

**Item 176.2:**
Compliance Certification shall include the following monitoring:

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

Cornell must use diesel fuel fired in the emergency diesel generators that meets the following requirements:

(1) Sulfur content must not exceed 15 ppm maximum.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

On an annual basis the owner or operator shall submit to the DEC a statement whether he or she has complied with this requirement.

Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 15 parts per million by weight
Reference Test Method: ASTM or vendor receipts
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 177: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.4209(a), NSPS Subpart IIII**

**Item 177.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP07

**Item 177.2:**
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: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 178: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 178.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP07

**Item 178.2:**
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. There is no time limit on the use of emergency stationary ICE in emergency situations. 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: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 179: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 179.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP08

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

**Item 179.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
This condition applies to package boiler (emission source BOI09) prior to July 1, 2014.

1. No owner or operator shall cause or allow emissions of NOx (expressed as NO2) from this large-sized package boiler in excess of 0.30 pounds NOx per million Btu, based on a 24 hour Btu-weighted daily average from May 1 to September 30 of each year, and on a 30 day Btu-weighted rolling average from October 1 to April 30 .

2. Emissions shall be monitored with a continuous emission monitoring system installed, operated and maintained as described elsewhere in this permit.

3. The owner or operator must submit for department approval a CEMS certification protocol at least 60 days prior to compliance testing. The certification protocol must include the location of and specifications for each instrument or device, as well as procedures for calibration, operation, data evaluation, and data reporting.

4. The owner or operator must install, calibrate, maintain, and operate a CEMS for measuring NOx at locations approved in the CEMS certification protocol under paragraph (3) of this condition, and must record the output of each such system. The following procedures and test methods must be used for determining compliance with the relevant NOx emission limit under section 227- 2.4 of this Subpart:

(i) The owner or operator of an emission source must:

(a) calculate all 24-hour daily heat input-weighted average NOx emission rates from block hourly arithmetic emission rate averages calculated by the CEMS and

expressed in terms of pounds of NOx per million Btu;

(b) demonstrate compliance by using a CEMS for measuring NOx and calculating a 24-hour daily heat input-weighted average NOx emission rate. Facilities that are not subject to 40 CFR part 75 may calculate their NOx emission rate using either 40 CFR part 60, appendix A, method 19 or 40 CFR part 75. A 30-day rolling heat input-weighted average emission rate may be used to demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart from October 1st to April 30th; and

(c) determine the 24-hour daily heat input-weighted average NOx emission rate based on the heat input-weighted average of the block hourly arithmetic average emission rates during each 24-hour daily period from 12:00 AM to 12:00 AM the following day using CEMS data. The block hourly heat input-weighted average emission rate must be calculated for each one-hour period starting with the period 12:00 AM to 1:00 AM and continuing through until the last period 11:00 PM to 12:00 AM; or, starting with the period 12:00 PM to 1:00 PM and continuing through the last period 11:00 AM to 12:00 PM. The 30-day rolling heat input-weighted average must be the average of the 24-hour daily heat input-weighted NOx emission rate.

(ii) At a minimum, valid CEMS data must be obtained for 90 percent of the operating hours in each calendar quarter that the subject facility is operating.

(iii) All valid CEMS data must be used in calculating emission rates even if the minimum data requirements of subparagraph (iii) of this paragraph are not met.

(iv) The procedures under 40 CFR part 60, appendix B, Performance Specification 2; and any additional criteria specified by the department must be followed for the installation, evaluation, and operation of the CEMS.

(v) Along with any specific additional data requirements mandated by the department for a particular emission source, annual recertifications, quarterly accuracy, and daily calibration drift tests must be performed in accordance with 40 CFR part 60, appendix F or 40 CFR part 75, as applicable.

(vi) When NOx emissions data are not obtained because of CEMS downtime, emission data shall be obtained by using the 90th percentile value of all CEMS NOx emission data collected over the last 180 days. Alternatively the owner

or operator of a facility subject to part CFR 75 may use 40 CFR part 75 data substitution procedures for periods when no valid CEMS data is available.

5. CEMS recordkeeping and reporting requirements.

(i) The owner or operator of an emission source must notify the department of the planned initial start-up date of any new CEMS.

(ii) Protocols, reports, summaries, compliance plans and schedules, and any other information required to be submitted to the department under provisions of this Subpart must be sent (in either hardcopy or electronically) as follows:

(a) one copy to the Division of Air Resources, New York State Department of Environmental Conservation, 625 Broadway, Albany, NY 12233; and

(b) one copy to the regional air pollution control engineer at the appropriate regional office of the department.

(iii) Emissions, monitoring, and operating parameter records or measurements required by this Subpart, quarterly and annual summaries, and any additional parameters required by the department must be maintained for at least five years and made available to the department upon request.

(iv) Following each calendar quarter, the owner or operator must tabulate and summarize applicable emissions, monitoring, and operating parameter measurements recorded during the preceding three months (including but not limited to type and amount of fuel burned on a daily basis, heat content of the fuel, total heating value of the fuel consumed on a daily basis, the actual NOx emission rate and the allowable NOx emission rate). These records must be submitted to the department within 30 days following the end of each calendar quarter in a format acceptable to the department and must include:

(a) the average NOx emission rates as specified under paragraph (4) of this condition. (Emission sources are to record and tabulate block hourly average emission rates, but do not need to included the block hourly average emission rates in the quarterly summaries);

(b) identification of the operating hours when NOx emissions data are not included in the calculation of the average emission rate and the reasons for not including

that data; and

(c) the results of accuracy assessments as required by 40 CFR part 60, appendix F and any additional data quality information required by the department.

(v) The owner or operator of an emission source must submit the initial compliance test data, the performance evaluation of the CEMS found in 40 CFR part 60, appendix B, and the maximum heat input capacity.

Manufacturer Name/Model Number: Not specified at time of application
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: Continuous Emissions Monitors
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 180: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 180.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP08

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

**Item 180.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
This condition applies to package boiler (emission source BOI09) on and after July 1, 2014.

1. No owner or operator shall cause or allow emissions of NOx (expressed as NO2) from this large-sized package boiler in excess of 0.15 pounds NOx per million Btu, based on a 24 hour Btu-weighted daily average from May 1 to September 30 of each year, and on a 30 day Btu-weighted rolling average from October 1 to April 30 .

2. The owner or operator of an emission source that monitors NOx emissions with a CEMS or equivalent monitoring system must submit for department approval:

(i) a CEMS plan as part of its application for a permit or permit modification if a CEMS has already been installed, or if a CEMS is in the process of being procured or installed;

(ii) a CEMS plan at least 180 days prior to equipment installation. The department will notify the owner or operator of the acceptability of the plan, at least 60 days prior to equipment installation if it is not covered under subparagraph (i) of this paragraph; or

(iii) a proposed plan for a monitoring system that is equivalent to a CEMS.

3. The owner or operator must submit for department approval a CEMS certification protocol at least 60 days prior to compliance testing. The certification protocol must include the location of and specifications for each instrument or device, as well as procedures for calibration, operation, data evaluation, and data reporting.

4. The owner or operator must install, calibrate, maintain, and operate a CEMS for measuring NOx at locations approved in the CEMS certification protocol under paragraph (3) of this condition, and must record the output of each such system. The following procedures and test methods must be used for determining compliance with the relevant NOx emission limit under section 227- 2.4 of this Subpart:

(i) The owner or operator of an emission source must:

(a) calculate all 24-hour daily heat input-weighted average NOx emission rates from block hourly arithmetic emission rate averages calculated by the CEMS and expressed in terms of pounds of NOx per million Btu;

(b) demonstrate compliance by using a CEMS for measuring NOx and calculating a 24-hour daily heat input-weighted average NOx emission rate. Facilities that are not subject to 40 CFR part 75 may calculate their NOx emission rate using either 40 CFR part 60, appendix A, method 19 or 40 CFR part 75. A 30-day rolling heat input-weighted average

emission rate may be used to demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart from October 1st to April 30th; and

(c) determine the 24-hour daily heat input-weighted average NOx emission rate based on the heat input-weighted average of the block hourly arithmetic average emission rates during each 24-hour daily period from 12:00 AM to 12:00 AM the following day using CEMS data. The block hourly heat input-weighted average emission rate must be calculated for each one-hour period starting with the period 12:00 AM to 1:00 AM and continuing through until the last period 11:00 PM to 12:00 AM; or, starting with the period 12:00 PM to 1:00 PM and continuing through the last period 11:00 AM to 12:00 PM. The 30-day rolling heat input-weighted average must be the average of the 24-hour daily heat input-weighted NOx emission rate.

(ii) The owner or operator of an emission source subject to paragraph (a)(4) of this section must calculate:

(a) block hourly arithmetic average emission rates using data points generated by CEMS and expressed in terms of parts per million on a dry volume basis, corrected to 15 percent oxygen; and

(b) block hourly arithmetic average emission rates for the periods starting 12:00 AM to 1:00 AM, 1:00 AM to 2:00 AM, and so on.

(iii) At a minimum, valid CEMS data must be obtained for 90 percent of the operating hours in each calendar quarter that the subject facility is operating.

(iv) All valid CEMS data must be used in calculating emission rates even if the minimum data requirements of subparagraph (iii) of this paragraph are not met.

(v) The procedures under 40 CFR part 60, appendix B, Performance Specification 2; and any additional criteria specified by the department must be followed for the installation, evaluation, and operation of the CEMS.

(vi) Along with any specific additional data requirements mandated by the department for a particular emission source, annual recertifications, quarterly accuracy, and daily calibration drift tests must be performed in accordance with 40 CFR part 60, appendix F or 40 CFR part 75, as applicable.

(vii) When NOx emissions data are not obtained because of

CEMS downtime, emission data shall be obtained by using the 90th percentile value of all CEMS NOx emission data collected over the last 180 days. Alternatively the owner or operator of a facility subject to part CFR 75 may use 40 CFR part 75 data substitution procedures for periods when no valid CEMS data is available.

5. CEMS recordkeeping and reporting requirements.

(i) The owner or operator of an emission source must notify the department of the planned initial start-up date of any new CEMS.

(ii) Protocols, reports, summaries, compliance plans and schedules, and any other information required to be submitted to the department under provisions of this Subpart must be sent (in either hardcopy or electronically) as follows:

(a) one copy to the Division of Air Resources, New York State Department of Environmental Conservation, 625 Broadway, Albany, NY 12233; and

(b) one copy to the regional air pollution control engineer at the appropriate regional office of the department.

(iii) Emissions, monitoring, and operating parameter records or measurements required by this Subpart, quarterly and annual summaries, and any additional parameters required by the department must be maintained for at least five years and made available to the department upon request.

(iv) Following each calendar quarter, the owner or operator must tabulate and summarize applicable emissions, monitoring, and operating parameter measurements recorded during the preceding three months (including but not limited to type and amount of fuel burned on a daily basis, heat content of the fuel, total heating value of the fuel consumed on a daily basis, the actual NOx emission rate and the allowable NOx emission rate). These records must be submitted to the department within 30 days following the end of each calendar quarter in a format acceptable to the department and must include:

(a) the average NOx emission rates as specified under paragraph (3) of this subdivision. (Emission sources are to record and tabulate block hourly average emission rates, but do not need to included the block hourly average emission rates in the quarterly summaries);

(b) identification of the operating hours when NOx emissions data are not included in the calculation of the average emission rate and the reasons for not including that data; and

(c) the results of accuracy assessments as required by 40 CFR part 60, appendix F and any additional data quality information required by the department.

(v) The owner or operator of an emission source must submit the initial compliance test data, the performance evaluation of the CEMS found in 40 CFR part 60, appendix B, and the maximum heat input capacity.

Manufacturer Name/Model Number: To be determined
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.15 pounds per million Btus
Reference Test Method: Continuous Emission Monitors
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2014.
Subsequent reports are due every 3 calendar month(s).

**Condition 181: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.44b, NSPS Subpart Db**

**Item 181.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP08

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

**Item 181.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

1. On and after the date on which the initial performance test is completed or is required to be completed under §60.8, the owner or operator shall not cause or allow to be discharged into the atmosphere from Boiler 9 any gases that contain NOx (expressed as NO2) in excess of 0.10 lb

NOx per million Btu.

2. Pursuant to 40 CFR 60.48b(b) the owner or operator shall install, calibrate, maintain, and operate CEMS for measuring NOx and O2(or CO2) emissions discharged to the atmosphere, and shall record the output of the system. The span value shall be determined according to section 2.1.2 in 40 CFR Part 75, Appendix A.

3. Pursuant to 40 CFR 60.48b(c) the CEMS required under Item 2 of this condition shall be operated and data recorded during all periods of operation of the affected facility except for CEMS breakdowns and repairs. Data are recorded during calibration checks, and zero and span adjustments.

4. The 1-hour average NOx emission rates measured by the continuous NOx monitor shall be expressed in ng/J or lb/MMBtu heat input and shall be used to calculate the average emission rates. The 1-hour averages shall be calculated using the data points required under §60.13(h)(2).

5. The procedures under §60.13 shall be followed for installation, evaluation, and operation of the continuous monitoring systems.

7. The owner shall comply with the quality assurance procedures of 40 CFR Part 60, Appendix F.

8. The owner or operator shall maintain records and submit reports of the following information for each steam generating unit operating day:

(1) Calendar date;

(2) The average hourly NOx emission rates (expressed as NO2) (ng/J or lb/MMBtu heat input) measured;

(3) The 30-day average NOx emission rates (ng/J or lb/MMBtu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 steam generating unit operating days;

(4) Identification of the steam generating unit operating days when the calculated 30-day average NOx emission rates are in excess of the NOx emissions standards under §60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken;

(5) Identification of the steam generating unit operating

days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;

(6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;

(7) Identification of "F" factor used for calculations, method of determination, and type of fuel combusted;

(8) Identification of the times when the pollutant concentration exceeded full span of the CEMS;

(9) Description of any modifications to the CEMS that could affect the ability of the CEMS to comply with Performance Specification 2 or 3; and

(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under appendix F, Procedure 1 of this part.

9. Reports shall be submitted semi-annually.

Manufacturer Name/Model Number: Not specified at time of application
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.10 pounds per million Btus
Reference Test Method: EPA Method 7E and 19
Monitoring Frequency: CONTINUOUS
Averaging Method: 30-DAY ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 182: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.42b(j), NSPS Subpart Db**

**Item 182.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP08
Process: B9O

**Item 182.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

This condition applies to Boiler 9, which is subject to 40 CFR Part 60, Subpart Db, while combusting very low sulfur oil. A more stringent limit applies elsewhere in this permit. This does not waive the requirement to comply with the more stringent limit.

1. The owner or operator shall combust only very low sulfur oil or natural gas or a combination of these fuels in Emission Source BOI09 (Boiler 9). Very low sulfur oil means oil that contains no more than 0.30 weight percent sulfur or that has a SO2 emission rate equal to or less than 0.32 lb/mmBtu heat input (See: 40 CFR §60.41b).

2. The owner or operator shall demonstrate that the oil meets the definition of very low sulfur oil by maintaining fuel records as described in 40 CFR §60.49b(r).

3. The owner or operator shall obtain and maintain at the affected facility fuel receipts from the fuel supplier that certify that the oil meets the definition of distillate oil and gaseous fuel meets the definition of natural gas as defined in §60.41b and the applicable sulfur limit. For the purposes of this condition, the distillate oil need not meet the fuel nitrogen content specification in the definition of distillate oil in 40 CFR Subpart Db.

4. The Sulfur standard applies at all times. See 60.45b(a).

5. On a semi-annual calendar year basis, reports shall be submitted to the Administrator and the Department certifying that only very low sulfur oil, meeting this definition, and natural gas were combusted in the affected facility during the reporting period.

Manufacturer Name/Model Number: Vendor Certifications
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.30 percent by weight
Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 183: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.43b(f), NSPS Subpart Db**

**Item 183.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP08
Process: B9O

**Item 183.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Recordkeeping - Opacity Measurements

Pursuant to 40 CFR 60.49b, the owner or operator shall maintain records of opacity. In addition, an owner or operator that elects to monitor emissions according to the requirements in §60.48b(a) shall maintain records according to the requirements specified in paragraphs (1) and (2) of this Item, as applicable to the visible emissions monitoring method used.

(1) For each performance test conducted using Method 9 of 40 CFR Part 60, appendix A–4, the owner or operator shall keep the records including the information specified in paragraphs (1)(i) through (iii) of this condition.
(i) Dates and time intervals of all opacity observation periods;
(ii) Name, affiliation, and copy of current visible emission reading certification for each visible emission observer participating in the performance test; and
(iii) Copies of all visible emission observer opacity field data sheets;

(2) For each performance test conducted using Method 22 of 40 CFR Part 60, appendix A–4, the owner or operator shall keep the records including the information specified in paragraphs (2)(i) through (iv) of this condition.
(i) Dates and time intervals of all visible emissions observation periods;
(ii) Name and affiliation for each visible emission observer participating in the performance test;
(iii) Copies of all visible emission observer opacity field data sheets; and
(iv) Documentation of any adjustments made and the time the adjustments were completed to the affected facility operation by the owner or operator to demonstrate compliance with the applicable monitoring

requirements.

On an annual basis, the owner or operator shall submit to the Department a report stating whether he or she has complied with this request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 184: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.43b(f), NSPS Subpart Db**

**Item 184.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP08
Process: B9O

**Item 184.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

This condition applies to Boiler 9, which is subject to 40 CFR Part 60, Subpart Db, while combusting very low sulfur oil.

1. Pursuant to 40 CFR 60.43b(f), on and after the date on which the initial performance test is completed or is required to be completed under §60.8, whichever date comes first, no owner or operator shall cause to be discharged into the atmosphere any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity when combusting oil or mixtures of oil and natural gas. 40 CFR 60.43b(g) and 60.46b(a).

2. The opacity standard applies at all times, except during periods of startup, shutdown, or malfunction.

3. Pursuant to 40 CFR 60.48b(j), the owner or operator is not required to install or operate a continuous opacity monitor if he or she complies with Item 3(a) or 3(b) below:

(a) The affected facility burns only liquid (excluding residual oil) or gaseous fuels with potential SO2 emissions rates of 26 ng/J (0.060 lb/MMBtu) or less and does not use a post-combustion technology to reduce SO2or PM emissions. The owner or operator must maintain fuel records of the sulfur content of the fuels burned, as described under §60.49b(r); or

(b) The affected facility burns only gaseous fuels or fuel oils that contain less than or equal to 0.30 weight percent sulfur and operates according to a written site-specific monitoring plan approved by the permitting authority. This monitoring plan must include procedures and criteria for establishing and monitoring specific parameters for the affected facility indicative of compliance with the opacity standard.

Not later than 60 days after commencing operation, the owner or operator shall submit to the Department a statement whether it will comply with Item 3(a) or 3(b) of this condition. If the owner or operator elects to comply with Item 3(b), the owner or operator shall submit to the Department a monitoring plan no later than 60 days after commencing operation.

4. Pursuant to 40 CFR 60.46b(d) and 40 CFR Part 60.8, no later than 60 days after achieving maximum load, but no later than 180 days after commencing operation, whichever is earlier, the owner or operator shall conduct visible emission readings of opacity from the operation of Boiler 9 using 40 CFR Part 60, Appendix A, Method 9. Such testing shall be conducted in accordance with a protocol approved by the Department. A report of the results of such testing shall be submitted to the Department no later than 60 days after completion of such testing.

In the event that visible emissions readings cannot be taken, the owner or operator may request that such testing be waived by the Administrator of the EPA.

5. On a semi-annual basis, the owner or operator shall submit to the Department a report stating whether visible emissions testing was conducted, and the results of such testing; whether the monitoring plan required in Item 3(b) was followed; and whether oil with a potential emission rate in excess of 0.060 lb/mmBtu was combusted.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA 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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 185: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.48b(a), NSPS Subpart Db**

**Item 185.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP08
Process: B9O

**Item 185.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

a) The owner or operator of an affected facility subject to an opacity standard under §60.43b and meeting the conditions under paragraphs (j)(1), (2), (3), (4), or (5) of this section who elects not to use a COMS shall conduct a performance test using Method 9 of 40 CFR Part 60, appendix A–4 and the procedures in §60.11 to demonstrate compliance with the applicable limit within 180 days after initial startup of the facility, whichever is later, and shall comply with either paragraphs (a)(1), (a)(2), or (a)(3) of this condition. The observation period for Method 9 of appendix A–4 of this part performance tests may be reduced from 3 hours to 60 minutes if all 6-minute averages are less than 10 percent and all individual 15-second observations are less than or equal to 20 percent during the initial 60 minutes of observation.

(1) Except as provided in paragraph (a)(2) and (a)(3) of this section, the owner or operator shall conduct subsequent Method 9 performance tests using the procedures in paragraph (a) of this condition according to the applicable schedule in paragraphs (a)(1)(i) through (a)(1)(iv) of this section, as determined by the most recent Method 9 performance test results.

(i) If no visible emissions are observed, a subsequent Method 9 performance test must be completed within 12 calendar months from the date that the most recent performance test was conducted;

(ii) If visible emissions are observed but the maximum 6-minute average opacity is less than or equal to 5 percent, a subsequent Method 9 performance test must be completed within 6 calendar months from the date that the most recent performance test was conducted;

(iii) If the maximum 6-minute average opacity is greater than 5 percent but less than or equal to 10 percent, a subsequent Method 9 performance test must be completed within 3 calendar months from the date that the most recent performance test was conducted; or

(iv) If the maximum 6-minute average opacity is greater than 10 percent, a subsequent Method 9 performance test must be completed within 45 calendar days from the date that the most recent performance test was conducted.

(2) If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 performance test, the owner or operator may, as an alternative to performing subsequent Method 9 performance tests, elect to perform subsequent monitoring using Method 22 of 40 CFR Part 60 appendix A–7 according to the procedures specified in paragraphs (a)(2)(i) and (ii) of this section.

(i) The owner or operator shall conduct 10 minute observations (during normal operation) each operating day the affected facility fires fuel for which an opacity standard is applicable using Method 22 and demonstrate that the sum of the occurrences of any visible emissions is not in excess of 5 percent of the observation period ( i.e. , 30 seconds per 10 minute period). If the sum of the occurrence of any visible emissions is greater than 30 seconds during the initial 10 minute observation, immediately conduct a 30 minute observation. If the sum of the occurrence of visible emissions is greater than 5 percent of the observation period ( i.e., 90 seconds per 30 minute period), the owner or operator shall either document and adjust the operation of the facility and demonstrate within 24 hours that the sum of the occurrence of visible emissions is equal to or less than 5 percent during a 30 minute observation ( i.e., 90 seconds) or conduct a new Method 9 performance test using the procedures in paragraph (a) of this section within 45 calendar days according to the requirements in §60.46d(d)(7).

(ii) If no visible emissions are observed for 30 operating days during which an opacity standard is applicable, observations can be reduced to once every 7 operating days during which an opacity standard is applicable. If any

visible emissions are observed, daily observations shall be resumed.

(3) If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 performance test, the owner or operator may, as an alternative to performing subsequent Method 9 performance tests, elect to perform subsequent monitoring using a digital opacity compliance system according to a site-specific monitoring plan approved by the Administrator. The observations shall be similar, but not necessarily identical, to the requirements in paragraph (a)(2) of this section. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Policy Group (D243–02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 186: No gasoline transfer allowed at sites without Stage I controls installed, if required at that site.**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 230.2 (a) (1)**

**Item 186.1:**
This Condition applies to Emission Unit: 1-FD001
Process: GD1

**Item 186.2:**
No person may transfer or allow the transfer of gasoline into storage tanks at gasoline dispensing sites whose annual throughput exceeds 120,000 gallons, unless the site has been properly registered pursuant to section 230.7 of 6 NYCRR Part 230 and the gasoline storage tank is equipped with:

i. a stage I vapor collection system consisting of a vapor-tight return line from the storage tank, or its vent, to the gasoline transport vehicle;

ii. a properly installed on-site vapor control system connected to a vapor collection system;

or

iii. an equivalent control system.

**Condition 187: Requirements for gasoline transport vehicles delivering to Stage I controlled dispensing sites.**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 230.2 (f)**

**Item 187.1:**
This Condition applies to Emission Unit: 1-FD001
Process: GD1

**Item 187.2:**
Owners and/or operators of gasoline transport vehicles and gasoline dispensing sites subject to stage I vapor collection or vapor control requirements must:

1. install all necessary stage I vapor collection and control systems, and make any modifications necessary to comply with the requirements;

2. provide adequate training and written instructions to the operator of the affected gasoline transport vehicle;

3. replace, repair, or modify any worn or ineffective component or design element to ensure the vapor-tight integrity of the stage I vapor collection and vapor control systems;

4. connect and ensure proper operation of the stage I vapor collection and control systems whenever gasoline is being loaded, unloaded or dispensed; and

5. connect the Stage I vapor collection hose before connecting the gasoline delivery hose to the gasoline transport vehicle, and disconnect the gasoline delivery hose before disconnecting the Stage I vapor collection hose from the gasoline transport vehicle.

**Condition 188: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 63, Subpart CCCCCC**

**Item 188.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-FD001
Process: GD1

**Item 188.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Cornell operates a gasoline dispensing facility with a throughput of more than 10,000 gallons per month but less than 100,000 gpm. The gasoline dispensing facility is subject to 40 CFR Part 63, Subpart CCCCCC.

1. Pursuant to 40 CFR 63.11115(a), the owner or operator must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

2. Pursuant to 40 CFR 63.11125(d), each owner or operator of an affected source under this subpart shall keep records of the occurrence and duration of each malfunction of operation ( i.e., process equipment) or the air pollution control and monitoring equipment, and of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR §63.11115(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

3. Pursuant to § 63.11117(a) and 11116(a), the owner or operator must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following: (1) Minimize gasoline spills; (2) Clean up spills as expeditiously as practicable; (3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use; and (4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

4. Except as specified in paragraph (5) of this condition, you must only load gasoline into storage tanks at your facility by utilizing submerged filling, as defined in 40 CFR §63.11132, and as specified in paragraphs (1), (2), or (3) of this section. The applicable distances in paragraphs (1) and (2) shall be measured from the point in the opening of the submerged fill pipe that is the greatest distance from the bottom of the storage tank.
(1) Submerged fill pipes installed on or before November

9, 2006, must be no more than 12 inches from the bottom of the tank.
(2) Submerged fill pipes installed after November 9, 2006, must be no more than 6 inches from the bottom of the tank.
(3) Submerged fill pipes not meeting the specifications of paragraphs (b)(1) or (b)(2) of this section are allowed if the owner or operator can demonstrate that the liquid level in the tank is always above the entire opening of the fill pipe. Documentation providing such demonstration must be made available for inspection by the Administrator's delegated representative during the course of a site visit.
5. You must have records available within 24 hours of a request by the Administrator to document your gasoline throughput.
6. You must submit the applicable notifications as required under §63.11124(a).
7. You must comply with the requirements of this subpart by the applicable dates contained in §63.11113.
8. The owner or operator shall keep records to demonstrate that the monthly throughput is less than 100,000 gallons. Pursuant to 40 CFR 63.11111(e), an affected source shall, upon request by the DEC or the EPA, demonstrate that the monthly throughput is less than the 100,000 gallons threshold. The monthly throughput is the total volume of gasoline loaded into, or dispensed from, all the gasoline storage tanks located at a single affected gasoline dispensing facility during the current day, plus the total volume of gasoline loaded into, or dispensed from, all gasoline storage tanks at each GDF during the previous 364 days, then dividing that sum by 12. If Cornell has two or more gasoline dispensing facilities at separate locations within the area source, each gasoline dispensing facility is treated as a separate affected source.

On an annual calendar year basis, the owner or operator, in the annual certification, shall state whether he or she has complied with this requirement.

Monitoring Frequency: DAILY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 189: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 63, Subpart CCCCCC**

**Item 189.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 1-FD001
Process: GD2

**Item 189.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Cornell operates gasoline dispensing facilities with a throughput of less than 10,000 gallons per month. The gasoline dispensing facility is subject to 40 CFR Part 63, Subpart CCCCCC.

1. Pursuant to 40 CFR 63.11115(a), the owner or operator must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

2. Pursuant to 40 CFR 63.11125(d), each owner or operator of an affected source under this subpart shall keep records of the occurrence and duration of each malfunction of operation ( i.e., process equipment) or the air pollution control and monitoring equipment, and of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR §63.11115(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

3. Pursuant to § 63.11116(a), the owner or operator must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following: (1) Minimize gasoline spills; (2) Clean up spills as expeditiously as practicable; (3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use; and (4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

4. The owner or operator shall keep records to demonstrate that the monthly throughput is less than 10,000 gallons. Pursuant to 40 CFR 63.11111(e), an affected source shall, upon request by the DEC or the EPA, demonstrate that the monthly throughput is less than the 10,000 gallons threshold. The monthly throughput is the total volume of gasoline loaded into, or dispensed from, all the gasoline storage tanks located at a single affected gasoline dispensing facility during the current day, plus the total volume of gasoline loaded into, or dispensed from, all gasoline storage tanks at each GDF during the previous 364 days, then dividing that sum by 12. If BU has two or more gasoline dispensing facilities at separate locations within the area source, each gasoline dispensing facility is treated as a separate affected source.

On an annual calendar year basis, the owner or operator, in the annual certification, shall state whether he or she has complied with this requirement.

Monitoring Frequency: DAILY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 190: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 63.11176(a), Subpart HHHHHH**

**Item 190.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 2-PAINT

**Item 190.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
(a) Annual Notification of Changes Report. If you are the owner or operator of a paint stripping, motor vehicle or mobile equipment, or miscellaneous surface coating affected source, you are required to submit a report in each calendar year in which information previously submitted in either the initial notification required by §63.11175(a), Notification of Compliance, or a previous annual notification of changes report submitted under this

paragraph, has changed. Deviations from the relevant requirements in §63.11173(a) through (d) or §63.11173(e) through (g) on the date of the report will be deemed to be a change. This includes notification when paint stripping affected sources that have not developed and implemented a written MeCl minimization plan in accordance with §63.11173(b) used more than one ton of MeCl in the previous calendar year. The annual notification of changes report must be submitted prior to March 1 of each calendar year when reportable changes have occurred and must include the information specified in paragraphs (a)(1) through (2) of this section.
(1) Your company's name and the street address (physical location) of the affected source and the street address where compliance records are maintained, if different.
(2) The name, title, address, telephone, e-mail address (if available) and signature of the owner and operator, or other certifying company official, certifying the truth, accuracy, and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart or an explanation of any noncompliance and a description of corrective actions being taken to achieve compliance.
(b) If you are the owner or operator of a paint stripping affected source that has not developed and implemented a written MeCl minimization plan in accordance with §63.11173(b) of this subpart, you must submit a report for any calendar year in which you use more than one ton of MeCl. This report must be submitted no later than March 1 of the following calendar year. You must also develop and implement a written MeCl minimization plan in accordance with §63.11173(b) no later than December 31. You must then submit a Notification of Compliance Status report containing the information specified in §63.11175(b) by March 1 of the following year and comply with the requirements for paint stripping operations that annually use more than one ton of MeCl in §§63.11173(d) and 63.11177(f).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 191: Capping Monitoring Condition**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 191.1:**
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

**Item 191.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 191.3:**
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 191.4:**
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 191.5:**
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 191.6:**
The Compliance Certification activity will be performed for:

Emission Unit: 2-PAINT
Process: PB2

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

**Item 191.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Emissions of VOC from this emission unit shall not exceed 39 tons per year on a 12 month rolling period. Emissions shall be computed from solvent and coating use and the use of all other materials that contain VOCs. The owner or

operator shall keep a list of solvents and coatings used that includes the following information: information on the manufacturer, product code or name, VOC content in pounds per gallon, and the amount used per calendar month. The owner shall keep a calendar month log of the consumption of all solvents (including solvents used in cleanup), coatings, any other VOC containing raw materials and calculations showing that emissions are less than 40 tons per annual period. The owner shall keep records of all purchase orders, invoices and other documents to support the information in the monthly logs.

On an annual basis, the owner shall provide a certification to the Department that the facility has operated within the limits imposed by this emission cap. this certification shall include a report of the emissions for each rolling annual period and a comparison to allowable emissions. Additionally, if the owner or operator exceeds the rolling annual limit for any period, the owner or operator shall submit to the DEC a notice of such excess emissions no later than 30 days after the last day in that annual period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 192: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 228-1.3 (a)**

**Item 192.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 2-PAINT
Process: PB2

**Item 192.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
No person shall cause or allow emissions to the outdoor atmosphere having an opacity of 20 percent or greater for any consecutive six-minute period from any emission source subject to 6 NYCRR Part 228.

On a semiannual basis, the owner or operator shall observe stack emissions while the device is in operation (and spraying is occurring). If visible emissions are observed, the owner or operator shall contact the DEC by telephone or e-mail within 2 business days.

The Department reserves the right to perform, or require the performance of, a Method 9 opacity evaluation.

On a semiannual calendar year basis, the owner or operator shall submit to the Department the results of Method 9 opacity observations (if any).

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA 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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 193: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 228-1.3 (b)**

**Item 193.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 2-PAINT
Process: PB2

**Item 193.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Certification from the coating supplier or manufacturer which verifies the parameters used to determine the actual VOC content of the as-applied coating, for each coating used at the facility, must be maintained and, upon request, be provided to the Department's representative. In addition, purchase, usage and/or production records of the coating material, including solvents, must be maintained and, upon request, submitted to the Department. Records must be maintained at the facility for a period of five years. Compliance may also be verified using EPA Method 24.

On a semiannual calendar basis, the owner or operator shall submit to the Department a report stating whether such records and certifications are contained on file.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 194: Surface Coating - Handling, storage and disposal**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 228-1.3 (d)**

**Item 194.1:**
This Condition applies to Emission Unit: 2-PAINT
Process: PB2

**Item 194.2:**
Within the work area(s) associated with a coating line, the owner or operator of a facility must:

(1) use closed, non-leaking containers to store or dispose of cloth or other absorbent applicators impregnated with VOC solvents that are used for surface preparation, cleanup or coating removal;

(2) store in closed, non-leaking containers spent or fresh VOC solvents to be used for surface preparation, cleanup or coating removal;

(3) not use VOC solvents to cleanup spray equipment unless equipment is used to collect the cleaning compounds and to minimize VOC evaporation;

(4) not use open containers to store or dispense surface coatings and/or inks unless production, sampling, maintenance or inspection procedures require operational access. This provision does not apply to the actual device or equipment designed for the purpose of applying a coating material to a substrate. These devices may include, but are not limited to: spray guns, flow coaters, dip tanks, rollers, knife coaters, and extrusion coaters;

(5) not use open containers to store or dispose of spent surface coatings, or spent VOC solvents;

(6) minimize spills during the handling and transfer of coatings and VOC solvents; and

(7) clean hand held spray guns by one of the following:

(i) an enclosed spray gun cleaning system that is kept closed when not in use;

(ii) non-atomized discharge of VOC solvent into a paint waste container that is kept closed when not in use;

(iii) disassembling and cleaning of the spray gun in a vat that is kept closed when not in use; or

(iv) atomized spray into a paint waste container that is fitted with a device designed to capture atomized VOC solvent emissions.

**Condition 195: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 228-1.4**

**Item 195.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 2-PAINT
Process: PB2

**Item 195.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Pursuant to 6 NYCRR Part 228, the owner or operator shall not cause or allow the usage of coatings that contain VOC in excess of the allowable pounds VOC per gallon of coating, minus water and excluded VOC, on an as-applied basis (as defined in 6 NYCRR 228).

The limitations apply at all times to coatings when used in the facility's paint booth. Exempt from these requirements are coatings applied manually with a brush, roller or aerosol spray can.

For each spray application, records of substrate (metal or wood), coating, amount of solvent added, and amount of coating sprayed shall be maintained. In addition, records of calculations demonstrating compliance with these limitations shall be maintained.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 196: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.310(c), NSPS Subpart EE**

**Item 196.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 2-PAINT
Process: PB2

**Item 196.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The owner or operator shall use less than 3842 liters (1015 gallons) of coating, as applied to metal furniture surfaces, per year (12 month rolling total). The owner or operator shall keep purchase or inventory records of other data necessary to support annual coating usage for each 12 calendar month rolling.

On an annual basis, the owner or operator shall report to the DEC whether coating use (on metal furniture) has exceeded this amount. If for any 12 calendar month rolling period, the coating use on metal furniture exceeds 3842 liters, the owner or operator shall notify the DEC within 30 days of exceeding such quantity.

Parameter Monitored: COATING
Upper Permit Limit: 3842 liters
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 197: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 63.11173(a), Subpart HHHHHH**

**Item 197.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 2-PAINT
Process: PB3

Regulated Contaminant(s):
CAS No: 000075-09-2 DICHLOROMETHANE

**Item 197.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each paint stripping operation that meets the qualifications for an affected source under 40 CFR 63, subpart HHHHHH, the facility must implement management practices to minimize the evaporative emissions of methylene chloride. The management practices must address, at a minimum, the practices listed below:

1) Evaluate each application to ensure there is a need for paint stripping (e.g., evaluate whether it is possible to re-coat the piece without removing the existing coating).

2) Evaluate each application where a paint stripper containing methylene chloride is used to ensure that there is no alternative paint stripping technology that can be used.

3) Reduce exposure of all paint strippers containing methylene chloride to the atmosphere.

4) Optimize application conditions when using paint strippers containing methylene chloride to reduce methylene chloride evaporation (e.g., if the stripper must be heated, make sure that the temperature is kept as low a possible to reduce evaporation).

5) Practice proper storage and disposal of paint strippers containing methylene chloride (e.g., store stripper in closed, air-tight containers).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 198: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 63.11173(c), Subpart HHHHHH**

**Item 198.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 2-PAINT
Process: PB3

Regulated Contaminant(s):
CAS No: 000075-09-2 DICHLOROMETHANE

**Item 198.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For each paint stripping operation, the facility must maintain copies of annual usage of paint strippers containing methylene chloride on site for a period of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 199: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:6 NYCRR 228-2.4 (a)**

**Item 199.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 2-WDSHP
Process: WS2

**Item 199.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
No person shall use, apply, solicit, require the use of, specify the application of, sell, supply, offer for sale, or manufacture for sale in the State of New York any commercial or industrial adhesive, sealant, adhesive primer or sealant primer unless such adhesive, sealant, adhesive primer or sealant primer complies with the applicable VOC content limits specified in table 1 of this Subdivision and the applicable requirements of this Subpart. For adhesives applied to the listed substrates, the VOC content limits in table 1 of this Subdivision apply as follows:

(1) if an operator uses a commercial or industrial adhesive or sealant subject to a specific VOC content limit for such adhesive or sealant in table 1 of this Subdivision, such specific limit is applicable rather than an adhesive-to-listed-substrate limit; and

(2) if an adhesive is used to bond dissimilar substrates together, the applicable substrate category with the highest VOC content shall be the limit for such use.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 200: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 200.1:**
The Compliance Certification activity will be performed for:

Emission Unit: R-ENTL

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

**Item 200.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
This condition applies to rental boilers (emission sources RBOI1 and RBOI2) prior to July 1, 2014.

1. No owner or operator shall cause or allow emissions of NOx (expressed as NO2) from either mid-sized rental boiler in excess of 0.12 pounds NOx per million Btu, based on a one hour average.

2. Emission testing shall be conducted no later than 60 days after commencing operation and at any other time when requested by the EPA or the Department.

3. The owner or operator shall 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.

4. The owner or operator must follow the procedures set forth in 6 NYCRR part 202 and use the method 7, 7E, or equivalent, and method 19 from 40 CFR Part 60, Appendix A.

5. The owner or operator shall submit to the Department a compliance test report containing the results of the emission test to the Department for approval no later than 60 days after completion of the emission test.

6. On an annual basis, the owner or operator shall submit to the Department a report stating whether he or she has complied with this condition.

Upper Permit Limit: 0.12 pounds per million Btus
Reference Test Method: EPA Method 7E or equivalent
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 201: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 201.1:**
The Compliance Certification activity will be performed for:

Emission Unit: R-ENTL

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

**Item 201.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
This condition applies to rental boilers (emission sources RBOI1 and RBOI2) on and after July 1, 2014.

1. No owner or operator shall cause or allow emissions of NOx (expressed as NO2) from either mid-sized rental boiler in excess of 0.08 pounds NOx per million Btu, based on a one hour average.

2. Emission testing shall be conducted no later than 60 days after commencing operation and at any other time when requested by the EPA or the Department.

3. The owner or operator shall 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.

4. The owner or operator must follow the procedures set forth in 6 NYCRR part 202 and use the method 7, 7E, or equivalent, and method 19 from 40 CFR Part 60, Appendix A.

5. The owner or operator shall submit to the Department a compliance test report containing the results of the emission test to the Department for approval no later than 60 days after completion of the emission test.

6. On an annual basis, the owner or operator shall submit to the Department a report stating whether he or she has complied with this condition.

Upper Permit Limit: 0.08 pounds per million Btus
Reference Test Method: EPA Method 7E or equivalent
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

**Condition 202: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable Federal Requirement:40CFR 60.48c, NSPS Subpart Dc**

**Item 202.1:**
The Compliance Certification activity will be performed for:

Emission Unit: R-ENTL

**Item 202.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

1. The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction and actual startup, as provided by §60.7 of this part. This notification shall include:
(i) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
(ii) The annual capacity factor at which the owner or

operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

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

3. In addition to the applicable requirements in §60.7, the owner or operator of an affected facility subject to the opacity limits in §60.43c(c) shall submit excess emission reports for any excess emissions from the affected facility that occur during the reporting period.

4. For each performance test conducted using Method 9 of 40 CFR Part 60, appendix A–4, the owner or operator shall keep the records including the information specified in paragraphs 4(i) through (iii) of this condition.
(i) Dates and time intervals of all opacity observation periods;
(ii) Name, affiliation, and copy of current visible emission reading certification for each visible emission observer participating in the performance test; and
(iii) Copies of all visible emission observer opacity field data sheets;

5. For each performance test conducted using Method 22 of 40 CFR Part 60 appendix A–4, the owner or operator shall keep the records including the information specified in paragraphs 5(i) through (iv) of this condition.
(i) Dates and time intervals of all visible emissions observation periods;
(ii) Name and affiliation for each visible emission observer participating in the performance test;
(iii) Copies of all visible emission observer opacity field data sheets; and
(iv) Documentation of any adjustments made and the time the adjustments were completed to the affected facility operation by the owner or operator to demonstrate compliance with the applicable monitoring requirements.

6. For each digital opacity compliance system, the owner or operator shall maintain records and submit reports according to the requirements specified in the site-specific monitoring plan approved by the Administrator

7. 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 reports to the Administrator.

8. All records required under 40 CFR Part 60, Subpart Dc shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

9. The reporting period for the reports required under this subpart is each six-month period. All reports shall be submitted to the Administrator and the Department and shall be postmarked by the 30th day following the end of the reporting period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 203: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 203.1:**
The Compliance Certification activity will be performed for:

Emission Unit: R-ENTL
Process: RBO

**Item 203.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

This condition applies to fuel oil firing in any of the two rental boilers. A more stringent limit applies elsewhere in this permit. This does not waive the requirement to comply with the more stringent limit.

1. On and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that combusts oil shall cause to be discharged into the atmosphere from that affected facility any gases that contain SO2 in excess of 215 ng/J (0.50 lb/MMBtu) heat input; or, as an alternative, no owner or operator of an affected facility that combusts oil shall combust oil in the affected facility that contains greater

than 0.5 weight percent sulfur. The percent reduction requirements under 40 CFR Part 60, Subpart Dc are not applicable to these boilers .

2. Pursuant to 40 CFR 60.42c(h), compliance with the emission limits or fuel oil sulfur limits under this section shall be determined based on a certification from the fuel supplier. See 40 CFR §60.48c(f). The initial performance test shall consist of the certification from the fuel supplier.

3. The owner or operator shall keep records and submit reports to the Administrator and the Department, including the following information, as applicable.

a) Calendar dates covered in the reporting period.

b) Records of fuel supplier certification. In addition to records of fuel supplier certifications, the report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

c) Fuel supplier certification shall include the following information:

(i) The name of the oil supplier;

(ii) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in §60.41c; and

(iii) The sulfur content or maximum sulfur content of the oil.

4. The fuel oil sulfur limit applies at all times, including periods of startup, shutdown and malfunction.

5. Reports shall be submitted semi-annually.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 204: Compliance Certification**
**Effective between the dates of 02/28/2014 and 02/27/2019**

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

**Item 204.1:**
The Compliance Certification activity will be performed for:

Emission Unit: R-ENTL
Process: RBO

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

**Item 204.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

1. Pursuant to 40 CFR 60.43c(c), on and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, the owner or operator shall not cause or allow to be discharged into the atmosphere from the rental boilers any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. The opacity standard applies at all times, except during periods of startup, shutdown or malfunction.

2. The owner or operator is not required to operate and maintain a continuous opacity monitor if he or she combusts only distillate oil that contains no more than 0.5 weight percent sulfur and he or she follows the applicable procedures in 40 CFR 60.48c(f). See 40 CFR 60.47c(c).

3. Compliance with this condition shall be determined using visible emission observations. The owner or operator shall conduct a performance test using Method 9 of 40 CFR Part 60, appendix A–4 and the procedures in 40 CFR §60.11 to demonstrate compliance with the applicable limit in §60.43c no later than 180 days after initial startup of the facility, and shall comply with either paragraphs 3(a), (b), or (c) of this condition. The observation period for Method 9 performance tests may be reduced from 3 hours to 60 minutes if all 6-minute averages are less than 10 percent and all individual 15-second observations are less than or equal to 20 percent during the initial 60 minutes of observation.

3(a) Except as provided in paragraph 3(b) and 3(c) of this condition, the owner or operator shall conduct subsequent Method 9 performance tests using the applicable

schedule in paragraphs 3(a)(i) through 3(a)(iv) of this condition, as determined by the most recent Method 9 performance test results.

(i) If no visible emissions are observed, a subsequent Method 9 performance test must be completed within 12 calendar months from the date that the most recent performance test was conducted;

(ii) If visible emissions are observed but the maximum 6-minute average opacity is less than or equal to 5 percent, a subsequent Method 9 performance test must be completed within 6 calendar months from the date that the most recent performance test was conducted;

(iii) If the maximum 6-minute average opacity is greater than 5 percent but less than or equal to 10 percent, a subsequent Method 9 performance test must be completed within 3 calendar months from the date that the most recent performance test was conducted; or

(iv) If the maximum 6-minute average opacity is greater than 10 percent, a subsequent Method 9 performance test must be completed within 45 calendar days from the date that the most recent performance test was conducted.

3(b) If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 performance test, the owner or operator may, as an alternative to performing subsequent Method 9 performance tests, elect to perform subsequent monitoring using Method 22 of 40 CFR Part 60, appendix A–7 according to the procedures specified in paragraphs 3(b)(i) and (ii) of this condition.

(i) The owner or operator shall conduct 10 minute observations (during normal operation) each operating day the affected facility fires fuel for which an opacity standard is applicable using Method 22 and demonstrate that the sum of the occurrences of any visible emissions is not in excess of 5 percent of the observation period ( i.e. , 30 seconds per 10 minute period). If the sum of the occurrence of any visible emissions is greater than 30 seconds during the initial 10 minute observation, immediately conduct a 30 minute observation. If the sum of the occurrence of visible emissions is greater than 5 percent of the observation period ( i.e., 90 seconds per 30 minute period), the owner or operator shall either document and adjust the operation of the facility and demonstrate within 24 hours that the sum of the occurrence of visible emissions is equal to or less than 5 percent during a 30 minute observation ( i.e., 90 seconds) or

conduct a new Method 9 performance test within 45 calendar days according to the requirements in 40 CFR §60.45c(a)(8).

(ii) If no visible emissions are observed for 30 operating days during which an opacity standard is applicable, observations can be reduced to once every 7 operating days during which an opacity standard is applicable. If any visible emissions are observed, daily observations shall be resumed.
3(c) If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 performance test, the owner or operator may, as an alternative to performing subsequent Method 9 performance tests, elect to perform subsequent monitoring using a digital opacity compliance system according to a site-specific monitoring plan approved by the Administrator. The observations shall be similar, but not necessarily identical, to the requirements in paragraph (a)(2) of this section. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Policy Group (D243–02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods.

4. The owner or operator of an affected facility subject to the opacity standards under §60.43c shall conduct an initial performance test as required under §60.8, and shall conduct subsequent performance tests as requested by the Administrator or the DEC, to determine compliance with the standards using Method 9 of 40 CFR Part 60, appendix A–4.

5. On a semi-annual basis, the owner or operator shall submit to the Department a report stating whether testing was conducted, and if so, the results of such tests.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA Methods 9 or 22
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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**STATE ONLY ENFORCEABLE CONDITIONS**
****** Facility Level ******

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**
**This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability**

Item A: **General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**
Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

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

**Condition 205: Contaminant List**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable State Requirement:ECL 19-0301**

**Item 205.1:**
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000050-00-0
Name: FORMALDEHYDE

CAS No: 000075-09-2
Name: DICHLOROMETHANE

CAS No: 000630-08-0
Name: CARBON MONOXIDE

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

CAS No: 007664-41-7
Name: AMMONIA

CAS No: 007664-93-9
Name: SULFURIC ACID

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

CAS No: 0NY075-00-5
Name: PM-10

CAS No: 0NY075-02-5
Name: PM 2.5

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

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

CAS No: 0NY750-00-0
Name: CARBON DIOXIDE EQUIVALENTS

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

**Condition 206: Malfunctions and start-up/shutdown activities**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable State Requirement:6 NYCRR 201-1.4**

**Item 206.1:**
(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 207: Visible Emissions Limited**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 207.1:**
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.

**Condition 208: Compliance Demonstration**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable State Requirement:6 NYCRR 212.4 (a)**

**Item 208.1:**
The Compliance Demonstration activity will be performed for the Facility.

**Item 208.2:**
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Process sources, such as the paint booth at Cornell emits
A-rated contaminants and non-A-rated contaminants. For

this facility, A-rated contaminants are those contaminants listed with a "high" toxicity in the Department's most recent DAR-1 (formerly Air Guide 1) guidance document, and any other contaminant that may be A-rated by the Department. All other pollutants are B-rated unless otherwise rated by the Department. This condition is applicable to pollutants that are not criteria pollutants or volatile organic compounds and is state enforceable.

1. The emission rate potential of any A-rated pollutant shall not exceed 1.0 pound per hour, unless otherwise allowed in this permit.

2. The emission rate potential of any B-rated pollutant, excluding pollutants that are exempt under one of the provisions of 212.7, shall not exceed 10.0 pounds per hour.

3. The owner or operator shall not cause or allow the emission of any applicable pollutant at an emissions rate that results in predicted ambient concentrations in excess of the Annual Guideline Concentration (AGC) or the Short term Guideline Concentration (SGC) for each contaminant for which an environmental rating is assigned by the DEC. Compliance with this requirement shall be determined using DAR-1 (Air Guide 1) screening software or alternative procedures approved by the DEC. Records of such analyses shall be maintained on-site.

4. The owner or operator may use alternative coating formulations in the paint shop, provided that pollutants contained in such coating, for which an annual guideline concentration (AGC) and/or a short term guideline concentration (SGC) exist, meet all of the following conditions:

(a) The coating is compliant with 6 NYCRR Part 228.7, Table 1;

(b) Items 1, 2 and 3 above are satisfied.

(c) The facility does not become subject to any additional regulations or requirements.

5. A DAR-1 (Air Guide 1) analysis in not required for the use of new coatings in the paint shop for which the emission rate potential of each contaminant in that coating is less than the emission rate potential of that contaminant in other coatings for which prior modeling has been conducted, provided that such modeling has predicted no off-site ambient concentrations in excess of the

AGC/SGC for each contaminant;

6. If the use of a new coating results in the emission of any pollutant not previously authorized or emitted in accordance with this permit, the owner or operator shall submit to the DEC a notice of the intention to use such coating. Such notice shall be submitted no later than 30 days prior to the use of the coating.

7. The DEC reserves the right to require a permit modification to impose special conditions if DEC determines the proposed changes may have a significant air quality impact. In such cases, upon receipt of any notice submitted by the owner or operator to the DEC as required in this permit, the DEC will respond within 15 days of receipt of such notice, and may require that the owner or operator not undertake the proposed change without a permit modification;

8. No physical changes shall be made to the coating device stack height, stack diameter, exhaust temperature, exhaust velocity, building height, length or width that would result in either a predicted (as determined using Air Guide 1) or real increase in ambient air impacts without a permit modification being filed with the Department; and

9. On a semi-annual calendar year basis, the owner or operator shall submit to the DEC a report stating whether it has complied with this requirement.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

**Condition 209: Compliance Demonstration**
**Effective between the dates of 02/28/2014 and 02/27/2019**

**Applicable State Requirement:6 NYCRR 617.11 (d)**

**Item 209.1:**
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: 1-CHP06

Regulated Contaminant(s):
CAS No: 007664-41-7 AMMONIA

**Item 209.2:**
Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

This emission limit applies to each gas turbine, with or without operation of the duct burner.

Emissions of ammonia from each gas turbine: shall not exceed 5.0 ppm by volume on a 3 hour rolling average, measured on a dry basis and corrected to 15% oxygen. This emission limit shall not apply during periods of startup or shutdown.

Compliance with this limit shall be determined using ammonia continuous emission monitors. The ammonia CEMs shall be operated in accordance with an operations and maintenance manual, as approved by the DEC.

On a calendar quarter basis, the owner or operator shall submit to the DEC, in a format acceptable to the DEC, a report of excess emissions and continuous emissions monitoring down time. The report shall identify each period of excess emissions and, for each such period, state the average value of the emission; the cause of the excess emission; and the corrective action taken.

Manufacturer Name/Model Number: Continuous Emission Monitor
Parameter Monitored: AMMONIA
Upper Permit Limit: 5.0 parts per million by volume
(dry, corrected to 15% O2)
Reference Test Method: CEMs
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR ROLLING AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2014.
Subsequent reports are due every 3 calendar month(s).