PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Industrial SPDES - Surface Discharge
Permit ID: 4-4228-00056/00140
Effective Date: 07/01/2008 Expiration Date: 06/30/2013

Permit Type: Air State Facility
Permit ID: 4-4228-00056/00474
Effective Date: 07/01/2008 Expiration Date: No expiration date

Permit Issued To:SI GROUP INC
PO BOX 1046
SCHENECTADY, NY 12301

Contact: THOMAS WINDISH
SCHENECTADY INTERNATIONAL
1000 MAIN STREET
ROTTERDAM JUNCTION, NY 12150
(518) 347-4318

Facility: SI GROUP INC /ROTT JCT FAC
1000 MAIN ST|ST RTE 5S
ROTTERDAM JUNCTION, NY 12150

Contact: THOMAS WINDISH
SCHENECTADY INTERNATIONAL
1000 MAIN STREET
ROTTERDAM JUNCTION, NY 12150
(518) 347-4318

Description:

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

Permit Administrator: NANCY M BAKER
NYSDEC
1130 N WESTCOTT RD
SCHENECTADY, NY 12306-2014

Authorized Signature: _____ Date: ___ / ___ / _____

Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

DEC GENERAL CONDITIONS
**** General Provisions ****
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: 6NYCRR 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: 6NYCRR 621.13

Item 4.1:
The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

a) materially false or inaccurate statements in the permit application or supporting papers;

b) failure by the permittee to comply with any terms or conditions of the permit;

c) exceeding the scope of the project as described in the permit application;

d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;

e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

Permit Issued To:SI GROUP INC
PO BOX 1046
SCHENECTADY, NY 12301

Facility: SI GROUP INC /ROTT JCT FAC
1000 MAIN ST|ST RTE 5S
ROTTERDAM JUNCTION, NY 12150

Authorized Activity By Standard Industrial Classification Code:
2821 - PLASTICS MATERIALS AND RESINS
2869 - INDUSTRIAL ORGANIC CHEMICALS,NEC

Permit Effective Date: 07/01/2008 Permit Expiration Date: No expiration date.

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

FEDERALLY ENFORCEABLE CONDITIONS
Facility Level
1 6NYCRR 201-6.5(c)(3)(ii): Compliance Demonstration
2 6NYCRR 202-1.3: Acceptable procedures - Stack test report submittal
3 6NYCRR 227-2.1(a): This conditions further filters the NOx RACT facilities.
Emission Unit Level
4 6NYCRR 201-7.2: Emission Unit Permissible Emissions

EU=A-SFB06
*5 6NYCRR 201-7.2: Capping Monitoring Condition
*6 6NYCRR 201-7.2: Capping Monitoring Condition
*7 6NYCRR 201-7.2: Capping Monitoring Condition
*8 6NYCRR 201-7.2: Capping Monitoring Condition
*9 6NYCRR 201-7.2: Capping Monitoring Condition
*10 6NYCRR 201-7.2: Capping Monitoring Condition
*11 6NYCRR 201-7.2: Capping Monitoring Condition
*12 6NYCRR 201-7.2: Capping Monitoring Condition
*13 6NYCRR 201-7.2: Capping Monitoring Condition
*14 6NYCRR 201-7.2: Capping Monitoring Condition
*15 6NYCRR 201-7.2: Capping Monitoring Condition
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*21 6NYCRR 201-7.2: Capping Monitoring Condition
*22 6NYCRR 201-7.2: Capping Monitoring Condition
*23 6NYCRR 201-7.2: Capping Monitoring Condition
*24 6NYCRR 201-7.2: Capping Monitoring Condition
25 6NYCRR 202-1: Compliance Demonstration
26 6NYCRR 225-1.2(a)(2): Compliance Demonstration
27 6NYCRR 225-1.2(a)(2): Compliance Demonstration
28 6NYCRR 225-1.2(a)(2): Compliance Demonstration
29 6NYCRR 225-1.8: Compliance Demonstration
30 6NYCRR 225-1.8(d): Compliance Demonstration
31 6NYCRR 227-1.2(a)(4): Compliance Demonstration
32 6NYCRR 227-1.3(a): Compliance Demonstration
33 6NYCRR 227-1.5: Multiple fuels particulate matter emission rate.
34 6NYCRR 227-1.6(a): Corrective Action
35 6NYCRR 227-1.6(b): Corrective Action

36 6NYCRR 227-1.6(c): Corrective Action
37 6NYCRR 227-1.6(d): Corrective Action
38 6NYCRR 227-1.7: General Provisions
39 6NYCRR 227-1.7(b): Compliance Demonstration
40 6NYCRR 227-1.7(b): Compliance Demonstration
41 6NYCRR 227-1.7(b): Compliance Demonstration
42 6NYCRR 227-1.7(b): Compliance Demonstration
43 6NYCRR 227-2.4(b)(2): Compliance Demonstration
44 6NYCRR 227-2.4(b)(2): Compliance Demonstration
45 6NYCRR 227-2.4(b)(2): Compliance Demonstration
46 40CFR 50: Compliance Demonstration
47 40CFR 50: Compliance Demonstration
48 40CFR 50: Compliance Demonstration
49 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
50 40CFR 60.7(a), NSPS Subpart A: Date of Construction Notification - if a COM is used.
51 40CFR 60.7(a), NSPS Subpart A: Modification Notification
52 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
53 40CFR 60.7(c), NSPS Subpart A: Compliance Demonstration
54 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
55 40CFR 60.7(e), NSPS Subpart A: Monitoring frequency waiver.
56 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
57 40CFR 60.7(g), NSPS Subpart A: Notification Similar to State or Local Agency
58 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
59 40CFR 60.8(b), NSPS Subpart A: Performance Test Methods - Waiver EU Level
60 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
61 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
62 40CFR 60.8(d), NSPS Subpart A: Prior notice.
63 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
64 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
65 40CFR 60.9, NSPS Subpart A: Availability of information.
66 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
67 40CFR 60.12, NSPS Subpart A: Circumvention.
68 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
69 40CFR 60.14, NSPS Subpart A: Modifications.
70 40CFR 60.15, NSPS Subpart A: Reconstruction.
71 40CFR 60.43b(f), NSPS Subpart Db: Compliance Demonstration
72 40CFR 60.43b(f), NSPS Subpart Db: Compliance Demonstration
73 40CFR 60.43b(g), NSPS Subpart Db: Particulate matter and opacity exemption.
74 40CFR 60.43b(h)(1), NSPS Subpart Db: Compliance Demonstration
75 40CFR 60.44b(d), NSPS Subpart Db: Compliance Demonstration
76 40CFR 60.46b(d), NSPS Subpart Db: Compliance Determination - Particulate Matter and Opacity
77 40CFR 60.48b(a), NSPS Subpart Db: Compliance Demonstration
78 40CFR 60.48b(e), NSPS Subpart Db: Continuous Monitoring Systems
79 40CFR 60.48b(e)(1), NSPS Subpart Db: Span Value for Continuous Opacity Monitors
80 40CFR 60.49b(a), NSPS Subpart Db: Compliance Demonstration
81 40CFR 60.49b(b), NSPS Subpart Db: Compliance Demonstration
82 40CFR 60.49b(d), NSPS Subpart Db: Compliance Demonstration

83 40CFR 60.49b(f), NSPS Subpart Db: Compliance Demonstration
84 40CFR 60.49b(h), NSPS Subpart Db: Compliance Demonstration
85 40CFR 60.49b(o), NSPS Subpart Db: Records Retention
86 40CFR 60.49b(v), NSPS Subpart Db: Reporting and Recordkeeping - Electronic report submittal
87 40CFR 60.49b(w), NSPS Subpart Db: Reporting Period
88 40CFR 64: Compliance Demonstration
89 40CFR 64: Compliance Demonstration
90 40CFR 64: Compliance Demonstration
91 40CFR 64: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS
Facility Level
92 ECL 19-0301: Contaminant List
93 6NYCRR 201-1.4: Unavoidable noncompliance and violations
94 6NYCRR 201-5: Emission Unit Definition
95 6NYCRR 211.2: Air pollution prohibited
Emission Unit Level
96 6NYCRR 201-5: Emission Point Definition By Emission Unit
97 6NYCRR 201-5: Process Definition By Emission Unit

EU=A-SFB06
98 6NYCRR 201-5.3(b): Compliance Demonstration
99 6NYCRR 211.2: Compliance Demonstration
100 6NYCRR 211.2: Compliance Demonstration

NOTE: * preceding the condition number indicates capping.

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

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

Item A: **Sealing - 6NYCRR Part 200.5**

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation. Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

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

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

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

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

Item C: **Maintenance of Equipment - 6NYCRR Part 200.7**

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

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

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

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

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

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

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

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

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

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

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

(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

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

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

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

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

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

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

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

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

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

An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air

pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6NYCRR Part 202-1.

Item K: **Visible Emissions Limited - 6 NYCRR Part 211.3**
Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Item L: **Open Fires - 6 NYCRR Part 215**
No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, rubbish for salvage, or rubbish generated by industrial or commercial activities.

Item M: **Permit Exclusion - ECL 19-0305**
The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

FEDERAL APPLICABLE REQUIREMENTS

The following conditions are federally enforceable.

Condition 1: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

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

Item 1.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 1.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

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

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

(1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

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

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

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

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

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

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

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual

report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 2: Acceptable procedures - Stack test report submittal
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 202-1.3

Item 2.1:
Emission test reports must be submitted in triplicate to the commissioner within 60 days after the completion of the tests, unless additional time is requested in writing.

Condition 3: This conditions further filters the NOx RACT facilities.
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 227-2.1(a)

Item 3.1:
This facility is subject to the provisions of Subpart 227-2.

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

Condition 4: Emission Unit Permissible Emissions
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7.2

Item 4.1:
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: A-SFB06

CAS No: 000630-08-0
Name: CARBON MONOXIDE
PTE(s): 26.5 pounds per hour
232,140 pounds per year

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 8.806 pounds per hour
77,140 pounds per year

CAS No: 0NY075-00-0
Name: PARTICULATES
PTE(s): 3.2 pounds per hour
28,032 pounds per year

CAS No: 0NY075-00-5
Name: PM-10
PTE(s): 3.2 pounds per hour
28,032 pounds per year

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 15.58 pounds per hour
136,480.8 pounds per year

CAS No: 0NY998-00-0
Name: VOC
PTE(s): 3.405 pounds per hour
29,826 pounds per year

Condition 5: Capping Monitoring Condition
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7.2

Item 5.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2.2
40CFR 52-A.21

Item 5.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 5.3:
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 5.4:
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 5.5:
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 5.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Regulated Contaminant(s):

CAS No: 000630-08-0	CARBON MONOXIDE
CAS No: 007446-09-5	SULFUR DIOXIDE
CAS No: 0NY075-00-0	PARTICULATES
CAS No: 0NY075-00-5	PM-10
CAS No: 0NY210-00-0	OXIDES OF NITROGEN
CAS No: 0NY998-00-0	VOC

Item 5.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

This condition is a capping condition which provides information to support the emissions tracking necessary in order to cap emissions from Green Fuel Boiler #6 and from Boilers #1, #2 and #5. Capping of the boiler emissions avoids the applicability of prevention of significant deterioration (PSD) requirements, pursuant to 40CFR 52-A.21, and new source review in nonattainment areas and ozone transport region (NNSR) requirements, pursuant to 6NYCRR 231-2.2.

To support the emissions tracking necessary, the weight of wood fuel burned in Green Fuel Boiler #6 shall be determined and tracked by continuously measuring the weight of fuel input to Boiler #6 and integrating the weight on a daily basis. A continuous weigh belt shall be used to measure the fuel input in pounds of wood burned per day. Compliance with this condition shall be demonstrated by maintaining appropriate records, including supporting records and documentation, that indicate the pounds of wood burned per day.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Capping Monitoring Condition
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7.2

Item 6.1:
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:

40CFR 52-A.21

Item 6.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 6.3:
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 6.4:
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 6.5:
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 6.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 6.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

This condition provides a cap on carbon monoxide (CO) emissions from Green Fuel Boiler #6 and from Boilers #1, #2 and #5, in order to avoid the applicability of prevention of significant deterioration (PSD) requirements, pursuant to 40CFR 52-A.21.

A) Boilers #1, #2, #5, and Green Fuel Boiler #6 together shall not exceed a CO emission limit cap of 116.07 tons of CO per 12 month period on a 12 month rolling basis. This limit is a maximum; the stated value shall not be exceeded. In order to verify that the cap is not exceeded, components of daily emissions, total daily emissions, total monthly emissions, and 12 month rolling totals shall be calculated as follows:

1) Component of emissions from Green Fuel Boiler #6 firing wood:

EW = PER x HVW x DWW

where:

i) EW means "emissions from wood" and is the daily component of CO emissions from the boiler firing wood, expressed in pounds of CO per day;
ii) PER means "pollutant emission rate" and is the CO emission rate value resulting from the latest approved CO performance test on the boiler when firing wood, expressed in pounds of CO per million Btus, and is determined by another capping condition of this permit;
iii) HVW means "heating value of wood" and is the average of all sample results to date of the heating value of wood fuel input to the boiler, expressed in million Btus per pound of wood burned, and is determined by another capping condition of this permit; and
iv) DWW means "daily weight of wood" and is the weight of fuel input to the boiler which is integrated on a daily basis by a continuous weigh belt that measures the weight of fuel input, expressed in pounds of wood burned per day, and is determined by another capping condition of this permit.

2) Component of emissions from Green Fuel Boiler #6 startup burner firing natural gas:

ENG = GEF x HVG x RHI x DHO

where:

i) ENG means "emissions from natural gas" and is the daily component of CO emissions from the startup burner firing natural gas, expressed in pounds of CO per day;
ii) GEF means "gas emission factor" and is the CO emission factor for an uncontrolled startup burner firing natural

gas from Table 1.4-1 of the latest update of AP-42, expressed in pounds of CO per million standard cubic feet of natural gas fired;
iii) HVG means "heating value of gas" and is the heating value of 1 standard cubic foot of natural gas, expressed as 1 standard cubic foot per 1020 Btus;
iv) RHI means "rated heat input" and is the rated heat input of the natural gas startup burner, expressed as 0.15 million Btus per hour for the startup burner; and
v) DHO means " daily hours of operation" and is the total actual hours per day that the startup burner fires natural gas, expressed in hours per day.
vi) As an alternative, AGU may be substituted for HVG, RHI and DHO in the above formula of this section. AGU means "actual gas used" and is the total sum of daily metered actual natural gas used by the startup burner, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in million standard cubic feet per day.

3) Component of emissions from Boilers #1 and #2 firing natural gas:

ENG = GEF x HVG x RHI x DHO

where:

i) ENG means "emissions from natural gas" and is the daily component of CO emissions from both boilers together firing natural gas, expressed in pounds of CO per day;
ii) GEF means "gas emission factor" and is the CO emission factor for an uncontrolled boiler firing natural gas from Table 1.4-1 of the latest update of AP-42, expressed in pounds of CO per million standard cubic feet of natural gas fired;
iii) HVG means "heating value of gas" and is the heating value of 1 standard cubic foot of natural gas, expressed as 1 standard cubic foot per 1020 Btus;
iv) RHI means "rated heat input" and is the rated heat input of the boiler regardless of whether either boiler or both boilers operate, expressed as 50 million Btus per hour; and
v) DHO means " daily hours of operation" and is the sum of the total actual hours per day that each boiler fires natural gas, expressed in hours per day.
vi) As an alternative, AGU may be substituted for HVG, RHI and DHO in the above formula of this section. AGU means "actual gas used" and is the total sum of daily metered actual natural gas used by both boilers, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in million standard cubic

feet per day.

4) Component of emissions from Boilers #1 and #2 firing fuel oil:

EFO = OEF x HVO x RHI x DHO

where:

i) EFO means "emissions from fuel oil" and is the daily component of CO emissions from both boilers together firing #2 fuel oil, expressed in pounds of CO per day;
ii) OEF means "oil emission factor" and is the CO emission factor for a distillate oil fired boiler from Table 1.3-1 of the latest update of AP-42, expressed in pounds of CO per thousand gallons of fuel oil fired;
iii) HVO means "heating value of oil" and is the heating value of 1 gallon of #2 fuel oil, expressed as 1 gallon per 0.140 million Btus;
iv) RHI means "rated heat input" and is the rated heat input of the boiler regardless of whether either boiler or both boilers operate, expressed as 50 million Btus per hour; and
v) DHO means " daily hours of operation" and is the sum of the total actual hours per day that each boiler fires #2 fuel oil, expressed in hours per day.
vi) As an alternative, AOU may be substituted for HVO, RHI and DHO in the above formula of this section. AOU means "actual oil used" and is the total sum of daily metered actual fuel oil used by both boilers, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in thousand gallons per day.

5) Component of emissions from Boiler #5 firing natural gas (excluding emissions from firing P-300 bottoms and natural gas simultaneously):

ENG = GEF x HVG x RHI x DHO

where:

i) ENG means "emissions from natural gas" and is the daily component of CO emissions from the boiler firing natural gas, expressed in pounds of CO per day;
ii) GEF means "gas emission factor" and is the CO emission factor for a natural gas fired boiler with low NOx burner control from Table 1.4-1 of the latest update of AP-42, expressed in pounds of CO per million standard cubic feet of natural gas fired;
iii) HVG means "heating value of gas" and is the heating value of 1 standard cubic foot of natural gas, expressed as 1 standard cubic foot per 1020 Btus;

iv) RHI means "rated heat input" and is the rated heat input of the boiler, expressed as 85.9 million Btus per hour for Boiler #5; and
v) DHO means " daily hours of operation" and is the total actual hours per day that the boiler fires natural gas (excludes hours that the boiler fires P-300 bottoms and natural gas simultaneously), expressed in hours per day.
vi) As an alternative, AGU may be substituted for HVG, RHI and DHO in the above formula of this section. AGU means "actual gas used" and is the total sum of daily metered actual natural gas fuel used by the boiler, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in million standard cubic feet per day.

6) Component of emissions from Boiler #5 firing fuel oil:

EFO = OEF x HVO x RHI x DHO

where:

i) EFO means "emissions from fuel oil" and is the daily component of CO emissions from the boiler firing #2 fuel oil, expressed in pounds of CO per day;
ii) OEF means "oil emission factor" and is the CO emission factor for a distillate oil fired boiler from Table 1.3-1 of the latest update of AP-42, expressed in pounds of CO per thousand gallons of fuel oil fired;
iii) HVO means "heating value of oil" and is the heating value of 1 gallon of #2 fuel oil, expressed as 1 gallon per 0.140 million Btus;
iv) RHI means "rated heat input" and is the rated heat input of the boiler, expressed as 85.9 million Btus per hour for Boiler #5; and
v) DHO means " daily hours of operation" and is the total actual hours per day that the boiler fires #2 fuel oil, expressed in hours per day.
vi) As an alternative, AOU may be substituted for HVO, RHI and DHO in the above formula of this section. AOU means "actual oil used" and is the total sum of daily metered actual fuel oil used by the boiler, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in thousand gallons per day.

7) Component of emissions from Boiler #5 simultaneously firing P-300 bottoms and natural gas:

EBG = BGR x DHO

where:

i) EBG means "emissions from bottoms and gas" and is the daily component of CO emissions from the boiler simultaneously firing P-300 bottoms and natural gas, expressed in pounds of CO per day;
ii) BGR means "bottoms and gas emission rate" and is the value of the CO emission rate for Boiler #5 firing P-300 bottoms and natural gas simultaneously from the latest accepted performance test (i.e. from the performance test initially conducted on March 7 to 13, 2001 if a more recent performance test has not been conducted and accepted), expressed in pounds of CO per hour; and
iii) DHO means " daily hours of operation" and is the total actual hours per day that the boiler simultaneously fires P-300 bottoms and natural gas, expressed in hours per day.

8) The components of emissions calculated by sections 1) through 7) above shall be summed each day to determine the total pounds of CO emissions per day. The pounds of CO emitted each month shall be determined by summing the total pounds of CO emitted each day. The amount of CO emitted per 12 month period shall be determined on a 12 month rolling basis from the amounts of monthly CO emitted. The capped value of 116.07 tons of CO per 12 month period from Boilers #1,# 2, #5 and #6 shall not be exceeded.

B) Records shall be maintained and shall include as necessary, but not be limited to, the most recently approved CO performance test value for Boiler #6 when firing wood, the latest average heating value of wood burned, the daily weight of wood burned, emission factors from the latest update of AP-42 utilized in the calculations, the most recently approved CO performance test value for Boiler #5 when firing P-300 bottoms and natural gas simultaneously, the daily hours of operation for each boiler (#1, #2, #5 and #6 startup burner) burning each fuel, daily metered actual fuel used for the startup burner and for each boiler, daily metered actual fuel used for the startup burner and for each boiler corrected to standard conditions for temperature and absolute pressure, pounds per day of each component of CO emissions, the total pounds per day of CO emissions, the pounds per month of CO emissions, the amount per 12 month period on a 12 month rolling basis of CO emissions, and the supporting records and documentation of each of the records identified in this paragraph.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL CONSUMPTION
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 116.07 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 12 calendar month(s).

Condition 7: Capping Monitoring Condition
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7.2

Item 7.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2.2
40CFR 52-A.21

Item 7.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 7.3:
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 7.4:
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 7.5:
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 7.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 7.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
This condition provides a cap on oxides of nitrogen (NOx) emissions from Green Fuel Boiler #6 and from Boilers #1, #2 and #5, in order to avoid the applicability of prevention of significant deterioration (PSD) requirements, pursuant to 40CFR 52-A.21, and new source review in nonattainment areas and ozone transport region (NNSR) requirements, pursuant to 6NYCRR 231-2.2.

A) Boilers #1, #2, #5, and Green Fuel Boiler #6 together shall not exceed a NOx emission limit cap of 68.24 tons of NOx per 12 month period on a 12 month rolling basis. This limit is a maximum; the stated value shall not be exceeded. In order to verify that the cap is not exceeded, components of daily emissions, total daily emissions, total monthly emissions, and 12 month rolling totals shall be calculated as follows:

1) Component of emissions from Green Fuel Boiler #6 firing wood:

EW = PER x HVW x DWW

where:

i) EW means "emissions from wood" and is the daily component of NOx emissions from the boiler firing wood, expressed in pounds of NOx per day;
ii) PER means "pollutant emission rate" and is the NOx emission rate value resulting from the latest approved NOx performance test on the boiler when firing wood, expressed in pounds of NOx per million Btus, and is determined by another capping condition of this permit;
iii) HVW means "heating value of wood" and is the average of all sample results to date of the heating value of wood fuel input to the boiler, expressed in million Btus per pound of wood burned, and is determined by another capping condition of this permit; and
iv) DWW means "daily weight of wood" and is the weight of fuel input to the boiler which is integrated on a daily basis by a continuous weigh belt that measures the weight of fuel input, expressed in pounds of wood burned per day, and is determined by another capping condition of this permit.

2) Component of emissions from Green Fuel Boiler #6 startup burner firing natural gas:

ENG = GEF x HVG x RHI x DHO

where:

i) ENG means "emissions from natural gas" and is the daily component of NOx emissions from the startup burner firing natural gas, expressed in pounds of NOx per day;
ii) GEF means "gas emission factor" and is the NOx emission factor for an uncontrolled startup burner firing natural gas from Table 1.4-1 of the latest update of AP-42, expressed in pounds of NOx per million standard cubic feet of natural gas fired;
iii) HVG means "heating value of gas" and is the heating value of 1 standard cubic foot of natural gas, expressed as 1 standard cubic foot per 1020 Btus;
iv) RHI means "rated heat input" and is the rated heat input of the natural gas startup burner, expressed as 0.15 million Btus per hour for the startup burner; and
v) DHO means " daily hours of operation" and is the total actual hours per day that the startup burner fires natural gas, expressed in hours per day.
vi) As an alternative, AGU may be substituted for HVG, RHI and DHO in the above formula of this section. AGU means "actual gas used" and is the total sum of daily metered actual natural gas used by the startup burner, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in million standard cubic feet per day.

3) Component of emissions from Boilers #1 and #2 firing natural gas:

ENG = GEF x HVG x RHI x DHO

where:

i) ENG means "emissions from natural gas" and is the daily component of NOx emissions from both boilers together firing natural gas, expressed in pounds of NOx per day;
ii) GEF means "gas emission factor" and is the NOx emission factor for an uncontrolled boiler firing natural gas from Table 1.4-1 of the latest update of AP-42, expressed in pounds of NOx per million standard cubic feet of natural gas fired;
iii) HVG means "heating value of gas" and is the heating value of 1 standard cubic foot of natural gas, expressed as 1 standard cubic foot per 1020 Btus;
iv) RHI means "rated heat input" and is the rated heat input of the boiler regardless of whether either boiler or both boilers operate, expressed as 50 million Btus per hour; and
v) DHO means " daily hours of operation" and is the sum of the total actual hours per day that each boiler fires natural gas, expressed in hours per day.
vi) As an alternative, AGU may be substituted for HVG, RHI

and DHO in the above formula of this section. AGU means "actual gas used" and is the total sum of daily metered actual natural gas used by both boilers, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in million standard cubic feet per day.

4) Component of emissions from Boilers #1 and #2 firing fuel oil:

EFO = OEF x HVO x RHI x DHO

where:

i) EFO means "emissions from fuel oil" and is the daily component of NOx emissions from both boilers together firing #2 fuel oil, expressed in pounds of NOx per day;
ii) OEF means "oil emission factor" and is the NOx emission factor for a distillate oil fired boiler from Table 1.3-1 of the latest update of AP-42, expressed in pounds of NOx per thousand gallons of fuel oil fired;
iii) HVO means "heating value of oil" and is the heating value of 1 gallon of #2 fuel oil, expressed as 1 gallon per 0.140 million Btus;
iv) RHI means "rated heat input" and is the rated heat input of the boiler regardless of whether either boiler or both boilers operate, expressed as 50 million Btus per hour; and
v) DHO means " daily hours of operation" and is the sum of the total actual hours per day that each boiler fires #2 fuel oil, expressed in hours per day.
vi) As an alternative, AOU may be substituted for HVO, RHI and DHO in the above formula of this section. AOU means "actual oil used" and is the total sum of daily metered actual fuel oil used by both boilers, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in thousand gallons per day.

5) Component of emissions from Boiler #5 firing natural gas (excluding emissions from firing P-300 bottoms and natural gas simultaneously):

ENG = GEF x HVG x RHI x DHO

where:

i) ENG means "emissions from natural gas" and is the daily component of NOx emissions from the boiler firing natural gas, expressed in pounds of NOx per day;
ii) GEF means "gas emission factor" and is the NOx

emission factor for a natural gas fired boiler with low NOx burner control from Table 1.4-1 of the latest update of AP-42, expressed in pounds of NOx per million standard cubic feet of natural gas fired;
iii) HVG means "heating value of gas" and is the heating value of 1 standard cubic foot of natural gas, expressed as 1 standard cubic foot per 1020 Btus;
iv) RHI means "rated heat input" and is the rated heat input of the boiler, expressed as 85.9 million Btus per hour for Boiler #5; and
v) DHO means " daily hours of operation" and is the total actual hours per day that the boiler fires natural gas (excludes hours that the boiler fires P-300 bottoms and natural gas simultaneously), expressed in hours per day.
vi) As an alternative, AGU may be substituted for HVG, RHI and DHO in the above formula of this section. AGU means "actual gas used" and is the total sum of daily metered actual natural gas fuel used by the boiler, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in million standard cubic feet per day.

6) Component of emissions from Boiler #5 firing fuel oil:

$$EFO = OEF \times HVO \times RHI \times DHO$$

where:

i) EFO means "emissions from fuel oil" and is the daily component of NOx emissions from the boiler firing #2 fuel oil, expressed in pounds of NOx per day;
ii) OEF means "oil emission factor" and is the NOx emission factor for a distillate oil fired boiler from Table 1.3-1 of the latest update of AP-42, expressed in pounds of NOx per thousand gallons of fuel oil fired;
iii) HVO means "heating value of oil" and is the heating value of 1 gallon of #2 fuel oil, expressed as 1 gallon per 0.140 million Btus;
iv) RHI means "rated heat input" and is the rated heat input of the boiler, expressed as 85.9 million Btus per hour for Boiler #5; and
v) DHO means " daily hours of operation" and is the total actual hours per day that the boiler fires #2 fuel oil, expressed in hours per day.
vi) As an alternative, AOU may be substituted for HVO, RHI and DHO in the above formula of this section. AOU means "actual oil used" and is the total sum of daily metered actual fuel oil used by the boiler, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of

mercury, expressed in thousand gallons per day.

7) Component of emissions from Boiler #5 simultaneously firing P-300 bottoms and natural gas:

EBG = BGR x DHO

where:

i) EBG means "emissions from bottoms and gas" and is the daily component of NOx emissions from the boiler simultaneously firing P-300 bottoms and natural gas, expressed in pounds of NOx per day;
ii) BGR means "bottoms and gas emission rate" and is the value of the NOx emission rate for Boiler #5 firing P-300 bottoms and natural gas simultaneously from the latest accepted performance test (i.e. from the performance test initially conducted on March 7 to 13, 2001 if a more recent performance test has not been conducted and accepted), expressed in pounds of NOx per hour; and
iii) DHO means " daily hours of operation" and is the total actual hours per day that the boiler simultaneously fires P-300 bottoms and natural gas, expressed in hours per day.

8) The components of emissions calculated by sections 1) through 7) above shall be summed each day to determine the total pounds of NOx emissions per day. The pounds of NOx emitted each month shall be determined by summing the total pounds of NOx emitted each day. The amount of NOx emitted per 12 month period shall be determined on a 12 month rolling basis from the amounts of monthly NOx emitted. The capped value of 68.24 tons of NOx per 12 month period from Boilers #1,# 2, #5 and #6 shall not be exceeded.

B) Records shall be maintained and shall include as necessary, but not be limited to, the most recently approved NOx performance test value for Boiler #6 when firing wood, the latest average heating value of wood burned, the daily weight of wood burned, emission factors from the latest update of AP-42 utilized in the calculations, the most recently approved NOx performance test value for Boiler #5 when firing P-300 bottoms and natural gas simultaneously, the daily hours of operation for each boiler (#1, #2, #5 and #6 startup burner) burning each fuel, daily metered actual fuel used for the startup burner and for each boiler, daily metered actual fuel used for the startup burner and for each boiler corrected to standard conditions for temperature and absolute pressure, pounds per day of each component of NOx emissions, the total pounds per day of NOx emissions, the pounds per month of NOx emissions, the amount per 12 month period on a 12 month rolling basis of NOx emissions, and the

supporting records and documentation of each of the records identified in this paragraph.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL CONSUMPTION
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 68.24 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 12 calendar month(s).

Condition 8: Capping Monitoring Condition
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7.2

Item 8.1:
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:

40CFR 52-A.21

Item 8.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 8.3:
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 8.4:
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 8.5:
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 8.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 8.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
This condition provides a cap on PM-10 emissions from Green Fuel Boiler #6 and from Boilers #1, #2 and #5, in order to avoid the applicability of prevention of significant deterioration (PSD) requirements, pursuant to 40CFR 52-A.21.

A) Boilers #1, #2, #5, and Green Fuel Boiler #6 together shall not exceed a PM-10 emission limit cap of 14.016 tons of PM-10 per 12 month period on a 12 month rolling basis. This limit is a maximum; the stated value shall not be exceeded. In order to verify that the cap is not exceeded, components of daily emissions, total daily emissions, total monthly emissions, and 12 month rolling totals shall be calculated as follows:

1) Component of emissions from Green Fuel Boiler #6 firing wood:

EW = PER x HVW x DWW

where:

i) EW means "emissions from wood" and is the daily component of PM-10 emissions from the boiler firing wood, expressed in pounds of PM-10 per day;
ii) PER means "pollutant emission rate" and is the PM-10 emission rate value resulting from the latest approved PM-10 performance test on the boiler when firing wood, expressed in pounds of PM-10 per million Btus, and is determined by another capping condition of this permit;
iii) HVW means "heating value of wood" and is the average of all sample results to date of the heating value of wood fuel input to the boiler, expressed in million Btus per pound of wood burned, and is determined by another capping condition of this permit; and
iv) DWW means "daily weight of wood" and is the weight of fuel input to the boiler which is integrated on a daily basis by a continuous weigh belt that measures the weight of fuel input, expressed in pounds of wood burned per day, and is determined by another capping condition of this permit.

2) Component of emissions from Green Fuel Boiler #6 startup burner firing natural gas:

ENG = GEF x HVG x RHI x DHO

where:

i) ENG means "emissions from natural gas" and is the daily component of PM-10 emissions from the startup burner firing natural gas, expressed in pounds of PM-10 per day;
ii) GEF means "gas emission factor" and is the emission factor value shown for PM-Total from a startup burner firing natural gas as stated in Table 1.4-2 of the latest update of AP-42, expressed in pounds of PM-10 per million standard cubic feet of natural gas fired;
iii) HVG means "heating value of gas" and is the heating value of 1 standard cubic foot of natural gas, expressed as 1 standard cubic foot per 1020 Btus;
iv) RHI means "rated heat input" and is the rated heat input of the natural gas startup burner, expressed as 0.15 million Btus per hour for the startup burner; and
v) DHO means " daily hours of operation" and is the total actual hours per day that the startup burner fires natural gas, expressed in hours per day.
vi) As an alternative, AGU may be substituted for HVG, RHI and DHO in the above formula of this section. AGU means "actual gas used" and is the total sum of daily metered actual natural gas used by the startup burner, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in million standard cubic feet per day.

3) Component of emissions from Boilers #1 and #2 firing natural gas:

ENG = GEF x HVG x RHI x DHO

where:

i) ENG means "emissions from natural gas" and is the daily component of PM-10 emissions from both boilers together firing natural gas, expressed in pounds of PM-10 per day;
ii) GEF means "gas emission factor" and is the emission factor value shown for PM-Total from a boiler firing natural gas as stated in Table 1.4-2 of the latest update of AP-42, expressed in pounds of PM-10 per million standard cubic feet of natural gas fired;
iii) HVG means "heating value of gas" and is the heating value of 1 standard cubic foot of natural gas, expressed as 1 standard cubic foot per 1020 Btus;
iv) RHI means "rated heat input" and is the rated heat

input of the boiler regardless of whether either boiler or both boilers operate, expressed as 50 million Btus per hour; and
v) DHO means " daily hours of operation" and is the sum of the total actual hours per day that each boiler fires natural gas, expressed in hours per day.
vi) As an alternative, AGU may be substituted for HVG, RHI and DHO in the above formula of this section. AGU means "actual gas used" and is the total sum of daily metered actual natural gas used by both boilers, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in million standard cubic feet per day.

4) Component of emissions from Boilers #1 and #2 firing fuel oil:

EFO = OEF x HVO x RHI x DHO

where:

i) EFO means "emissions from fuel oil" and is the daily component of PM-10 emissions from both boilers together firing #2 fuel oil, expressed in pounds of PM-10 per day;
ii) OEF means "oil emission factor" and is the sum of the emission factor values shown for Filterable PM from a distillate oil fired boiler as stated in Table 1.3-7 of the latest update of AP-42 and for Condensable PM (i.e. CPM-TOT) from a boiler firing #2 oil as stated in Table 1.3-2 of the latest update of AP-42, expressed in pounds of PM-10 per thousand gallons of fuel oil fired;
iii) HVO means "heating value of oil" and is the heating value of 1 gallon of #2 fuel oil, expressed as 1 gallon per 0.140 million Btus;
iv) RHI means "rated heat input" and is the rated heat input of the boiler regardless of whether either boiler or both boilers operate, expressed as 50 million Btus per hour; and
v) DHO means " daily hours of operation" and is the sum of the total actual hours per day that each boiler fires #2 fuel oil, expressed in hours per day.
vi) As an alternative, AOU may be substituted for HVO, RHI and DHO in the above formula of this section. AOU means "actual oil used" and is the total sum of daily metered actual fuel oil used by both boilers, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in thousand gallons per day.

5) Component of emissions from Boiler #5 firing natural gas (excluding emissions from firing P-300 bottoms and

natural gas simultaneously):

ENG = GEF x HVG x RHI x DHO

where:

i) ENG means "emissions from natural gas" and is the daily component of PM-10 emissions from the boiler firing natural gas, expressed in pounds of PM-10 per day;
ii) GEF means "gas emission factor" and is the emission factor value shown for PM-Total from a boiler firing natural gas as stated in Table 1.4-2 of the latest update of AP-42, expressed in pounds of PM-10 per million standard cubic feet of natural gas fired;
iii) HVG means "heating value of gas" and is the heating value of 1 standard cubic foot of natural gas, expressed as 1 standard cubic foot per 1020 Btus;
iv) RHI means "rated heat input" and is the rated heat input of the boiler, expressed as 85.9 million Btus per hour for Boiler #5; and
v) DHO means " daily hours of operation" and is the total actual hours per day that the boiler fires natural gas (excludes hours that the boiler fires P-300 bottoms and natural gas simultaneously), expressed in hours per day.
vi) As an alternative, AGU may be substituted for HVG, RHI and DHO in the above formula of this section. AGU means "actual gas used" and is the total sum of daily metered actual natural gas fuel used by the boiler, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in million standard cubic feet per day.

6) Component of emissions from Boiler #5 firing fuel oil:

EFO = OEF x HVO x RHI x DHO

where:

i) EFO means "emissions from fuel oil" and is the daily component of PM-10 emissions from the boiler firing #2 fuel oil, expressed in pounds of PM-10 per day;
ii) OEF means "oil emission factor" and is the sum of the emission factor values shown for Filterable PM from a distillate oil fired boiler as stated in Table 1.3-7 of the latest update of AP-42 and for Condensable PM (i.e. CPM-TOT) from a boiler firing #2 oil as stated in Table 1.3-2 of the latest update of AP-42, expressed in pounds of PM-10 per thousand gallons of fuel oil fired;
iii) HVO means "heating value of oil" and is the heating value of 1 gallon of #2 fuel oil, expressed as 1 gallon per 0.140 million Btus;
iv) RHI means "rated heat input" and is the rated heat

input of the boiler, expressed as 85.9 million Btus per hour for Boiler #5; and
v) DHO means " daily hours of operation" and is the total actual hours per day that the boiler fires #2 fuel oil, expressed in hours per day.
vi) As an alternative, AOU may be substituted for HVO, RHI and DHO in the above formula of this section. AOU means "actual oil used" and is the total sum of daily metered actual fuel oil used by the boiler, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in thousand gallons per day.

7) Component of emissions from Boiler #5 simultaneously firing P-300 bottoms and natural gas:

EBG = BGR x DHO

where:

i) EBG means "emissions from bottoms and gas" and is the daily component of PM-10 emissions from the boiler simultaneously firing P-300 bottoms and natural gas, expressed in pounds of PM-10 per day;
ii) BGR means "bottoms and gas emission rate" and is the value of the PM-10 emission rate for Boiler #5 firing P-300 bottoms and natural gas simultaneously from the latest accepted performance test (i.e. from the performance test initially conducted on March 7 to 13, 2001 if a more recent performance test has not been conducted and accepted), expressed in pounds of PM-10 per hour; and
iii) DHO means " daily hours of operation" and is the total actual hours per day that the boiler simultaneously fires P-300 bottoms and natural gas, expressed in hours per day.

8) The components of emissions calculated by sections 1) through 7) above shall be summed each day to determine the total pounds of PM-10 emissions per day. The pounds of PM-10 emitted each month shall be determined by summing the total pounds of PM-10 emitted each day. The amount of PM-10 emitted per 12 month period shall be determined on a 12 month rolling basis from the amounts of monthly PM-10 emitted. The capped value of 14.016 tons of PM-10 per 12 month period from Boilers #1,# 2, #5 and #6 shall not be exceeded.

B) Records shall be maintained and shall include as necessary, but not be limited to, the most recently approved PM-10 performance test value for Boiler #6 when firing wood, the latest average heating value of wood burned, the daily weight of wood burned, emission factors from the latest update of AP-42 utilized in the

calculations, the most recently approved PM-10 performance test value for Boiler #5 when firing P-300 bottoms and natural gas simultaneously, the daily hours of operation for each boiler (#1, #2, #5 and #6 startup burner) burning each fuel, daily metered actual fuel used for the startup burner and for each boiler, daily metered actual fuel used for the startup burner and for each boiler corrected to standard conditions for temperature and absolute pressure, pounds per day of each component of PM-10 emissions, the total pounds per day of PM-10 emissions, the pounds per month of PM-10 emissions, the amount per 12 month period on a 12 month rolling basis of PM-10 emissions, and the supporting records and documentation of each of the records identified in this paragraph.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL CONSUMPTION
Parameter Monitored: PM-10
Upper Permit Limit: 14.016 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 12 calendar month(s).

Condition 9: Capping Monitoring Condition
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7.2

Item 9.1:
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:

40CFR 52-A.21

Item 9.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 9.3:
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 9.4:
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 9.5:
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 9.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 9.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
This condition provides a cap on particulate matter (PM) emissions from Green Fuel Boiler #6 and from Boilers #1, #2 and #5, in order to avoid the applicability of prevention of significant deterioration (PSD) requirements, pursuant to 40CFR 52-A.21.

A) Boilers #1, #2, #5, and Green Fuel Boiler #6 together shall not exceed a PM emission limit cap of 14.016 tons of PM per 12 month period on a 12 month rolling basis. This limit is a maximum; the stated value shall not be exceeded. In order to verify that the cap is not exceeded, components of daily emissions, total daily emissions, total monthly emissions, and 12 month rolling totals shall be calculated as follows:

1) Component of emissions from Green Fuel Boiler #6 firing wood:

$$EW = PER \times HVW \times DWW$$

where:

i) EW means "emissions from wood" and is the daily component of PM emissions from the boiler firing wood, expressed in pounds of PM per day;
ii) PER means "pollutant emission rate" and is the PM emission rate value resulting from the latest approved PM performance test on the boiler when firing wood, expressed in pounds of PM per million Btus, and is determined by another capping condition of this permit;

iii) HVW means "heating value of wood" and is the average of all sample results to date of the heating value of wood fuel input to the boiler, expressed in million Btus per pound of wood burned, and is determined by another capping condition of this permit; and
iv) DWW means "daily weight of wood" and is the weight of fuel input to the boiler which is integrated on a daily basis by a continuous weigh belt that measures the weight of fuel input, expressed in pounds of wood burned per day, and is determined by another capping condition of this permit.

2) Component of emissions from Green Fuel Boiler #6 startup burner firing natural gas:

ENG = GEF x HVG x RHI x DHO

where:

i) ENG means "emissions from natural gas" and is the daily component of PM emissions from the startup burner firing natural gas, expressed in pounds of PM per day;
ii) GEF means "gas emission factor" and is the emission factor value shown for PM-Total from a startup burner firing natural gas as stated in Table 1.4-2 of the latest update of AP-42, expressed in pounds of PM per million standard cubic feet of natural gas fired;
iii) HVG means "heating value of gas" and is the heating value of 1 standard cubic foot of natural gas, expressed as 1 standard cubic foot per 1020 Btus;
iv) RHI means "rated heat input" and is the rated heat input of the natural gas startup burner, expressed as 0.15 million Btus per hour for the startup burner; and
v) DHO means " daily hours of operation" and is the total actual hours per day that the startup burner fires natural gas, expressed in hours per day.
vi) As an alternative, AGU may be substituted for HVG, RHI and DHO in the above formula of this section. AGU means "actual gas used" and is the total sum of daily metered actual natural gas used by the startup burner, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in million standard cubic feet per day.

3) Component of emissions from Boilers #1 and #2 firing natural gas:

ENG = GEF x HVG x RHI x DHO

where:

i) ENG means "emissions from natural gas" and is the daily component of PM emissions from both boilers together firing natural gas, expressed in pounds of PM per

day;
ii) GEF means "gas emission factor" and is the emission factor value shown for PM-Total from a boiler firing natural gas as stated in Table 1.4-2 of the latest update of AP-42, expressed in pounds of PM per million standard cubic feet of natural gas fired;
iii) HVG means "heating value of gas" and is the heating value of 1 standard cubic foot of natural gas, expressed as 1 standard cubic foot per 1020 Btus;
iv) RHI means "rated heat input" and is the rated heat input of the boiler regardless of whether either boiler or both boilers operate, expressed as 50 million Btus per hour; and
v) DHO means " daily hours of operation" and is the sum of the total actual hours per day that each boiler fires natural gas, expressed in hours per day.
vi) As an alternative, AGU may be substituted for HVG, RHI and DHO in the above formula of this section. AGU means "actual gas used" and is the total sum of daily metered actual natural gas used by both boilers, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in million standard cubic feet per day.

4) Component of emissions from Boilers #1 and #2 firing fuel oil:

EFO = OEF x HVO x RHI x DHO

where:

i) EFO means "emissions from fuel oil" and is the daily component of PM emissions from both boilers together firing #2 fuel oil, expressed in pounds of PM per day;
ii) OEF means "oil emission factor" and is the sum of the emission factor values shown for Filterable PM from a distillate oil fired boiler as stated in Table 1.3-1 of the latest update of AP-42 and for Condensable PM (i.e. CPM-TOT) from a boiler firing #2 oil as stated in Table 1.3-2 of the latest update of AP-42, expressed in pounds of PM per thousand gallons of fuel oil fired;
iii) HVO means "heating value of oil" and is the heating value of 1 gallon of #2 fuel oil, expressed as 1 gallon per 0.140 million Btus;
iv) RHI means "rated heat input" and is the rated heat input of the boiler regardless of whether either boiler or both boilers operate, expressed as 50 million Btus per hour; and
v) DHO means " daily hours of operation" and is the sum of the total actual hours per day that each boiler fires #2 fuel oil, expressed in hours per day.
vi) As an alternative, AOU may be substituted for HVO, RHI

and DHO in the above formula of this section. AOU means "actual oil used" and is the total sum of daily metered actual fuel oil used by both boilers, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in thousand gallons per day.

5) Component of emissions from Boiler #5 firing natural gas (excluding emissions from firing P-300 bottoms and natural gas simultaneously):

ENG = GEF x HVG x RHI x DHO

where:

i) ENG means "emissions from natural gas" and is the daily component of PM emissions from the boiler firing natural gas, expressed in pounds of PM per day;
ii) GEF means "gas emission factor" and is the emission factor value shown for PM-Total from a boiler firing natural gas as stated in Table 1.4-2 of the latest update of AP-42, expressed in pounds of PM per million standard cubic feet of natural gas fired;
iii) HVG means "heating value of gas" and is the heating value of 1 standard cubic foot of natural gas, expressed as 1 standard cubic foot per 1020 Btus;
iv) RHI means "rated heat input" and is the rated heat input of the boiler, expressed as 85.9 million Btus per hour for Boiler #5; and
v) DHO means " daily hours of operation" and is the total actual hours per day that the boiler fires natural gas (excludes hours that the boiler fires P-300 bottoms and natural gas simultaneously), expressed in hours per day.
vi) As an alternative, AGU may be substituted for HVG, RHI and DHO in the above formula of this section. AGU means "actual gas used" and is the total sum of daily metered actual natural gas fuel used by the boiler, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in million standard cubic feet per day.

6) Component of emissions from Boiler #5 firing fuel oil:

EFO = OEF x HVO x RHI x DHO

where:

i) EFO means "emissions from fuel oil" and is the daily component of PM emissions from the boiler firing #2 fuel oil, expressed in pounds of PM per day;
ii) OEF means "oil emission factor" and is the sum of the

emission factor values shown for Filterable PM from a distillate oil fired boiler as stated in Table 1.3-1 of the latest update of AP-42 and for Condensable PM (i.e. CPM-TOT) from a boiler firing #2 oil as stated in Table 1.3-2 of the latest update of AP-42, expressed in pounds of PM per thousand gallons of fuel oil fired;
iii) HVO means "heating value of oil" and is the heating value of 1 gallon of #2 fuel oil, expressed as 1 gallon per 0.140 million Btus;
iv) RHI means "rated heat input" and is the rated heat input of the boiler, expressed as 85.9 million Btus per hour for Boiler #5; and
v) DHO means " daily hours of operation" and is the total actual hours per day that the boiler fires #2 fuel oil, expressed in hours per day.
vi) As an alternative, AOU may be substituted for HVO, RHI and DHO in the above formula of this section. AOU means "actual oil used" and is the total sum of daily metered actual fuel oil used by the boiler, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in thousand gallons per day.

7) Component of emissions from Boiler #5 simultaneously firing P-300 bottoms and natural gas:

EBG = BGR x DHO

where:

i) EBG means "emissions from bottoms and gas" and is the daily component of PM emissions from the boiler simultaneously firing P-300 bottoms and natural gas, expressed in pounds of PM per day;
ii) BGR means "bottoms and gas emission rate" and is the value of the PM emission rate for Boiler #5 firing P-300 bottoms and natural gas simultaneously from the latest accepted performance test (i.e. from the performance test initially conducted on March 7 to 13, 2001 if a more recent performance test has not been conducted and accepted), expressed in pounds of PM per hour; and
iii) DHO means " daily hours of operation" and is the total actual hours per day that the boiler simultaneously fires P-300 bottoms and natural gas, expressed in hours per day.

8) The components of emissions calculated by sections 1) through 7) above shall be summed each day to determine the total pounds of PM emissions per day. The pounds of PM emitted each month shall be determined by summing the total pounds of PM emitted each day. The amount of PM emitted per 12 month period shall be determined on a 12 month rolling basis from the amounts of monthly PM emitted. The capped value of 14.016 tons of PM per 12

month period from Boilers #1,# 2, #5 and #6 shall not be exceeded.

B) Records shall be maintained and shall include as necessary, but not be limited to, the most recently approved PM performance test value for Boiler #6 when firing wood, the latest average heating value of wood burned, the daily weight of wood burned, emission factors from the latest update of AP-42 utilized in the calculations, the most recently approved PM performance test value for Boiler #5 when firing P-300 bottoms and natural gas simultaneously, the daily hours of operation for each boiler (#1, #2, #5 and #6 startup burner) burning each fuel, daily metered actual fuel used for the startup burner and for each boiler, daily metered actual fuel used for the startup burner and for each boiler corrected to standard conditions for temperature and absolute pressure, pounds per day of each component of PM emissions, the total pounds per day of PM emissions, the pounds per month of PM emissions, the amount per 12 month period on a 12 month rolling basis of PM emissions, and the supporting records and documentation of each of the records identified in this paragraph.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL CONSUMPTION
Parameter Monitored: PARTICULATES
Upper Permit Limit: 14.016 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 12 calendar month(s).

Condition 10: Capping Monitoring Condition
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7.2

Item 10.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2.2
40CFR 52-A.21

Item 10.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 10.3:
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 10.4:
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 10.5:
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 10.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Regulated Contaminant(s):

CAS No: 000630-08-0	CARBON MONOXIDE
CAS No: 007446-09-5	SULFUR DIOXIDE
CAS No: 0NY075-00-0	PARTICULATES
CAS No: 0NY075-00-5	PM-10
CAS No: 0NY210-00-0	OXIDES OF NITROGEN
CAS No: 0NY998-00-0	VOC

Item 10.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
This condition is a capping condition which provides information to support the emissions tracking necessary in order to cap emissions from Green Fuel Boiler #6 and from Boilers #1, #2 and #5. Capping of the boiler emissions avoids the applicability of prevention of significant deterioration (PSD) requirements, pursuant to 40CFR 52-A.21, and new source review in nonattainment areas and ozone transport region (NNSR) requirements, pursuant to 6NYCRR 231-2.2.

The Green Fuel Boiler #6 shall undergo composite fuel sampling and fuel analysis for each type of wood fuel burned in order to support emissions tracking that is necessary. The composite fuel sampling and fuel analysis shall be in accordance with the requirements of this

condition, with the requirements of all conditions shown under 6NYCRR 227-1.7(b), and with the appropriately applicable requirements of conditions shown under 6NYCRR 201-5.3(b), 202-1, 225-1.8, and 225-1.8(d).

The following are requirements for composite fuel sampling and fuel analysis for each type of wood fuel burned:

A) The facility shall obtain (collect) and prepare composite fuel samples. Each composite fuel sample shall be analyzed and the resulting fuel analysis shall contain the data required.

B) Data on the moisture content of the wood fuel and on the heating value of the wood fuel shall be determined. Determination of moisture content shall be by ASTM D4442-84 (i.e. the version revised in 1992 or later). Running averages of all sample results to date, for moisture content and for heating value of the wood fuel, shall be determined. The averages may be used in calculations that involve quantification of emissions, provided the permittee successfully demonstrates that use of the averages is justified.

C) Fuel analysis monitoring frequency shall be as follows:
1) During the time period from Green Fuel Boiler #6 startup until initial stack testing has been completed (up to 180 days after boiler startup), weekly composite fuel sampling and fuel analysis shall be conducted to determine sample results for moisture content of the wood fuel and monthly composite sampling and fuel analysis shall be conducted to determine sample results for heating value of the wood fuel. Samples shall be taken such that uniform intervals occur between the collection of each sample.
2) After successful completion of initial stack testing, the facility shall conduct composite fuel sampling and fuel analysis for moisture content of the wood fuel and for heating value of the wood fuel no later than 5 years after the previous fuel analysis. If the facility burns a new type of unadulterated wood fuel, the facility shall conduct a fuel analysis before burning the new type of fuel in Boiler #6 and must still meet all applicable conditions of this permit. Samples shall be taken such that uniform intervals occur between the collection of each sample.
3) Conditions of this permit which require or result in more frequent fuel analysis monitoring for moisture content of the wood fuel and for heating value of the wood fuel shall implement that monitoring for the time period covered.

D) The facility shall provide a written report to the

Department indicating the date and results of each fuel analysis as soon as practicable after the composite fuel sample has been analyzed, not to exceed more than 30 days after completion of the fuel analysis. The report shall also include a statement certifying that the operating limits for Boiler #6 have not changed and are consistent with the conditions of this permit.

Compliance with this condition shall be demonstrated by maintaining and submitting, as necessary, appropriate records (including supporting records and documentation) that indicate: sample results for moisture content of the wood in percent, sample results for heating value of the wood fuel in million Btus per pound of wood burned, running averages for each, demonstrations justifying the use of averages, and other information required by this condition.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 11: Capping Monitoring Condition
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7.2

Item 11.1:
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:

40CFR 52-A.21

Item 11.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 11.3:
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 11.4:
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 11.5:
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 11.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 11.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
This condition provides a cap on sulfur dioxide (SO2) emissions from Green Fuel Boiler #6 and from Boilers #1, #2 and #5, in order to avoid the applicability of prevention of significant deterioration (PSD) requirements, pursuant to 40CFR 52-A.21.

A) Boilers #1, #2, #5, and Green Fuel Boiler #6 together shall not exceed an SO2 emission limit cap of 38.57 tons of SO2 per 12 month period on a 12 month rolling basis. This limit is a maximum; the stated value shall not be exceeded. In order to verify that the cap is not exceeded, components of daily emissions, total daily emissions, total monthly emissions, and 12 month rolling totals shall be calculated as follows:

1) Component of emissions from Green Fuel Boiler #6 firing wood:

EW = PER x HVW x DWW

where:

i) EW means "emissions from wood" and is the daily component of SO2 emissions from the boiler firing wood, expressed in pounds of SO2 per day;
ii) PER means "pollutant emission rate" and is the SO2 emission rate value resulting from the latest approved SO2 performance test on the boiler when firing wood, expressed in pounds of SO2 per million Btus, and is determined by another capping condition of this permit;
iii) HVW means "heating value of wood" and is the average of all sample results to date of the heating value of wood fuel input to the boiler, expressed in million Btus per

pound of wood burned, and is determined by another capping condition of this permit; and
iv) DWW means "daily weight of wood" and is the weight of fuel input to the boiler which is integrated on a daily basis by a continuous weigh belt that measures the weight of fuel input, expressed in pounds of wood burned per day, and is determined by another capping condition of this permit.

2) Component of emissions from Green Fuel Boiler #6 startup burner firing natural gas:

ENG = GEF x HVG x RHI x DHO

where:

i) ENG means "emissions from natural gas" and is the daily component of SO2 emissions from the startup burner firing natural gas, expressed in pounds of SO2 per day;
ii) GEF means "gas emission factor" and is the SO2 emission factor for a natural gas fired startup burner from Table 1.4-2 of the latest update of AP-42 provided the natural gas has a sulfur content not exceeding 2000 grains per million standard cubic feet (for a higher sulfur content, the emission factor shall be adjusted in accordance with footnote "d" of the Table), expressed in pounds of SO2 per million standard cubic feet of natural gas fired;
iii) HVG means "heating value of gas" and is the heating value of 1 standard cubic foot of natural gas, expressed as 1 standard cubic foot per 1020 Btus;
iv) RHI means "rated heat input" and is the rated heat input of the natural gas startup burner, expressed as 0.15 million Btus per hour for the startup burner; and
v) DHO means " daily hours of operation" and is the total actual hours per day that the startup burner fires natural gas, expressed in hours per day.
vi) As an alternative, AGU may be substituted for HVG, RHI and DHO in the above formula of this section. AGU means "actual gas used" and is the total sum of daily metered actual natural gas used by the startup burner, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in million standard cubic feet per day.

3) Component of emissions from Boilers #1 and #2 firing natural gas:

ENG = GEF x HVG x RHI x DHO

where:

i) ENG means "emissions from natural gas" and is the daily component of SO2 emissions from both boilers together

firing natural gas, expressed in pounds of SO2 per day;
ii) GEF means "gas emission factor" and is the SO2 emission factor for a natural gas fired boiler from Table 1.4-2 of the latest update of AP-42 provided the natural gas has a sulfur content not exceeding 2000 grains per million standard cubic feet (for a higher sulfur content, the emission factor shall be adjusted in accordance with footnote "d" of the Table), expressed in pounds of SO2 per million standard cubic feet of natural gas fired;
iii) HVG means "heating value of gas" and is the heating value of 1 standard cubic foot of natural gas, expressed as 1 standard cubic foot per 1020 Btus;
iv) RHI means "rated heat input" and is the rated heat input of the boiler regardless of whether either boiler or both boilers operate, expressed as 50 million Btus per hour; and
v) DHO means " daily hours of operation" and is the sum of the total actual hours per day that each boiler fires natural gas, expressed in hours per day.
vi) As an alternative, AGU may be substituted for HVG, RHI and DHO in the above formula of this section. AGU means "actual gas used" and is the total sum of daily metered actual natural gas used by both boilers, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in million standard cubic feet per day.

4) Component of emissions from Boilers #1 and #2 firing fuel oil:

EFO = OEF x HVO x RHI x DHO

where:

i) EFO means "emissions from fuel oil" and is the daily component of SO2 emissions from both boilers together firing #2 fuel oil, expressed in pounds of SO2 per day;
ii) OEF means "oil emission factor" and is the SO2 emission factor for a distillate oil fired boiler from Table 1.3-1 of the latest update of AP-42, determined as the product of the value 142 and the weight percent of sulfur in the oil in accordance with footnote "b" of the Table where the weight percent of sulfur in the oil shall be the most recent value from the latest semi-annual submission required by Condition #76 of the existing title V permit, expressed in pounds of SO2 per thousand gallons of fuel oil fired;
iii) HVO means "heating value of oil" and is the heating value of 1 gallon of #2 fuel oil, expressed as 1 gallon per 0.140 million Btus;
iv) RHI means "rated heat input" and is the rated heat

input of the boiler regardless of whether either boiler or both boilers operate, expressed as 50 million Btus per hour; and
v) DHO means " daily hours of operation" and is the sum of the total actual hours per day that each boiler fires #2 fuel oil, expressed in hours per day.
vi) As an alternative, AOU may be substituted for HVO, RHI and DHO in the above formula of this section. AOU means "actual oil used" and is the total sum of daily metered actual fuel oil used by both boilers, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in thousand gallons per day.

5) Component of emissions from Boiler #5 firing natural gas (excluding emissions from firing P-300 bottoms and natural gas simultaneously):

ENG = GEF x HVG x RHI x DHO

where:

i) ENG means "emissions from natural gas" and is the daily component of SO2 emissions from the boiler firing natural gas, expressed in pounds of SO2 per day;
ii) GEF means "gas emission factor" and is the SO2 emission factor for a natural gas fired boiler from Table 1.4-2 of the latest update of AP-42 provided the natural gas has a sulfur content not exceeding 2000 grains per million standard cubic feet (for a higher sulfur content, the emission factor shall be adjusted in accordance with footnote "d" of the Table), expressed in pounds of SO2 per million standard cubic feet of natural gas fired;
iii) HVG means "heating value of gas" and is the heating value of 1 standard cubic foot of natural gas, expressed as 1 standard cubic foot per 1020 Btus;
iv) RHI means "rated heat input" and is the rated heat input of the boiler, expressed as 85.9 million Btus per hour for Boiler #5; and
v) DHO means " daily hours of operation" and is the total actual hours per day that the boiler fires natural gas (excludes hours that the boiler fires P-300 bottoms and natural gas simultaneously), expressed in hours per day.
vi) As an alternative, AGU may be substituted for HVG, RHI and DHO in the above formula of this section. AGU means "actual gas used" and is the total sum of daily metered actual natural gas fuel used by the boiler, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in million standard cubic feet per day.

6) Component of emissions from Boiler #5 firing fuel oil:

EFO = OEF x HVO x RHI x DHO

where:

i) EFO means "emissions from fuel oil" and is the daily component of SO2 emissions from the boiler firing #2 fuel oil, expressed in pounds of SO2 per day;
ii) OEF means "oil emission factor" and is the SO2 emission factor for a distillate oil fired boiler from Table 1.3-1 of the latest update of AP-42, determined as the product of the value 142 and the weight percent of sulfur in the oil in accordance with footnote "b" of the Table where the weight percent of sulfur in the oil shall be the most recent value from the latest semi-annual submission required by Condition #76 of the existing title V permit, expressed in pounds of SO2 per thousand gallons of fuel oil fired;
iii) HVO means "heating value of oil" and is the heating value of 1 gallon of #2 fuel oil, expressed as 1 gallon per 0.140 million Btus;
iv) RHI means "rated heat input" and is the rated heat input of the boiler, expressed as 85.9 million Btus per hour for Boiler #5; and
v) DHO means " daily hours of operation" and is the total actual hours per day that the boiler fires #2 fuel oil, expressed in hours per day.
vi) As an alternative, AOU may be substituted for HVO, RHI and DHO in the above formula of this section. AOU means "actual oil used" and is the total sum of daily metered actual fuel oil used by the boiler, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in thousand gallons per day.

7) Component of emissions from Boiler #5 simultaneously firing P-300 bottoms and natural gas:

EBG = ((BEF x HVB x BHI) + (GEF x HVG x GHI)) x DHO

where:

i) EBG means "emissions from bottoms and gas" and is the daily component of SO2 emissions from the boiler simultaneously firing P-300 bottoms and natural gas, expressed in pounds of SO2 per day;
ii) BEF means "bottoms emission factor" and is the SO2 emission factor for an atomizing burner firing waste oil from Table 1.11-2 of the latest update of AP-42, determined as the product of the value 107 and the weight percent of sulfur in the waste oil (bottoms) in accordance with footnote "d" of the Table where the weight percent of sulfur in the bottoms shall be the most recent value from

the latest quarterly analysis of bottoms required by Condition #98 of the existing title V permit, expressed in pounds of SO2 per thousand gallons of bottoms fired;
iii) GEF means "gas emission factor" and is the SO2 emission factor for a natural gas fired boiler from Table 1.4-2 of the latest update of AP-42 provided the natural gas has a sulfur content not exceeding 2000 grains per million standard cubic feet (for a higher sulfur content, the emission factor shall be adjusted in accordance with footnote "d" of the Table), expressed in pounds of SO2 per million standard cubic feet of natural gas fired;
iv) HVB means "heating value of bottoms" and is the heating value of 1 gallon of P-300 Bottoms, expressed as 1 gallon per 0.125 million Btus;
v) HVG means "heating value of gas" and is the heating value of 1 standard cubic foot of natural gas, expressed as 1 standard cubic foot per 1020 Btus;
vi) BHI means "bottoms heat input" and is the heat input of the boiler due to firing bottoms, determined as the product of the heating value of a gallon of bottoms (0.125 million Btus per gallon) and the maximum bottoms input (60 gallons per hour), expressed as 7.5 million Btus per hour for Boiler #5;
vii) GHI means "gas heat input" and is the heat input of the boiler due to firing natural gas, determined as the difference between the rated heat input of the boiler (85.9 million Btus per hour) and the portion of heat input due to the firing of P-300 bottoms (7.5 million Btus per hour), expressed as 78.4 million Btus per hour for Boiler #5; and
viii) DHO means " daily hours of operation" and is the total actual hours per day that the boiler simultaneously fires P-300 bottoms and natural gas, expressed in hours per day.
ix) As an alternative, ABU may be substituted for HVB, BHI and DHO, and AGU may be substituted for HVG, GHI and DHO, in the above formula of this section. ABU means "actual bottoms used" and is the total sum of daily metered actual P-300 bottoms used by the boiler, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in thousand gallons per day. AGU means "actual gas used" and is the total sum of daily metered actual natural gas fuel used by the boiler, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in million standard cubic feet per day.

8) The components of emissions calculated by sections 1) through 7) above shall be summed each day to determine the total pounds of SO2 emissions per day. The pounds of SO2 emitted each month shall be determined by summing the

total pounds of SO2 emitted each day. The amount of SO2 emitted per 12 month period shall be determined on a 12 month rolling basis from the amounts of monthly SO2 emitted. The capped value of 38.57 tons of SO2 per 12 month period from Boilers #1,# 2, #5 and #6 shall not be exceeded.

B) Records shall be maintained and shall include as necessary, but not be limited to, the most recently approved SO2 performance test value for Boiler #6 when firing wood, the latest average heating value of wood burned, the daily weight of wood burned, emission factors from the latest update of AP-42 utilized in the calculations, certification of the sulfur content (in grains per million standard cubic feet) of the natural gas fired, certification of the weight percent of sulfur in the #2 distillate fuel oil fired, certification of the weight percent of sulfur in the bottoms (from the quarterly analysis of bottoms required by Condition #98 of the existing title V permit), the daily hours of operation for each boiler (#1, #2, #5 and #6 startup burner) burning each fuel, daily metered actual fuel used for the startup burner and for each boiler, daily metered actual fuel used for the startup burner and for each boiler corrected to standard conditions for temperature and absolute pressure, pounds per day of each component of SO2 emissions, the total pounds per day of SO2 emissions, the pounds per month of SO2 emissions, the amount per 12 month period on a 12 month rolling basis of SO2 emissions, and the supporting records and documentation of each of the records identified in this paragraph.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL CONSUMPTION
Parameter Monitored: SULFUR DIOXIDE
Upper Permit Limit: 38.57 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 12 calendar month(s).

Condition 12: Capping Monitoring Condition
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7.2

Item 12.1:
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:

40CFR 52-A.21

Item 12.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 12.3:
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 12.4:
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 12.5:
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 12.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 12.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
This condition is a capping condition which provides information to support the emissions tracking necessary in order to cap emissions from Green Fuel Boiler #6 and from Boilers #1, #2 and #5. Capping of the boiler emissions avoids the applicability of prevention of significant deterioration (PSD) requirements, pursuant to 40CFR 52-A.21.

To support the emissions tracking necessary, the Green Fuel Boiler #6, firing wood, shall meet a particulate matter (PM) emission limit of 0.018 pounds PM per million Btus of heat input. This limit is a maximum; the stated value shall not be exceeded.

Compliance with this PM limit shall be demonstrated by conducting performance tests. Initial compliance shall be demonstrated no later than 180 days after startup of Green Fuel Boiler #6.

Soot blowing is a routine operation constituting representative process conditions. Emissions from soot-blowing cannot be discarded as being the result of an upset condition, and it would be erroneous to stop soot-blowing while stack testing. Agency [EPA] guidance outlines the procedures for including soot-blowing while stack testing. The frequency with which facilities perform soot-blowing can vary significantly and the Agency guidance addresses this issue by allowing facilities to weight the soot-blowing data in the performance tests based on the frequency of the soot-blowing. See Clean Air Act National Stack Testing Guidance, September 2005, www.epa.gov/compliance/resources/policies/monitoring/caa/stacktesting.pdf.

The averaging method shall be the arithmetic mean of the results of 3 separate runs as required by 40CFR 60.8(f). Each run shall be at least 120 minutes each and meet the other requirements of 40CFR 60-Db.46b(d)(3).

Note: PM emissions are limited in this permit by three conditions. Each condition requires performance testing that must result in a value which does not exceed the maximum limit stated for that condition. These conditions are:

1) this 6NYCRR 201-7.2 capping condition with maximum limit of 0.018 pounds PM per million Btus of heat input,
2) a 40CFR 60-Db.43b(h)(1) condition with maximum limit of 0.030 pounds PM per million Btus of heat input, and
3) a 6NYCRR 227-1.2(a)(4) condition with maximum limit of 0.319 pounds PM per million Btus of heat input.

Compliance with the performance testing 6NYCRR 201-7.2 capping condition shall ensure that the other two PM performance testing conditions are met. The resulting information from the performance testing capping condition will then be used to support the emissions tracking necessary in order to verify that the capped value of 14.016 tons of PM per 12 month period is not exceeded on a 12 month rolling basis from Boilers #1, #2, #5 and #6.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.018 pounds per million Btus
Reference Test Method: 40CFR60-A, Reference Method 5

Monitoring Frequency: Once every five years
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 13: Capping Monitoring Condition
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7.2

Item 13.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2.2
40CFR 52-A.21

Item 13.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 13.3:
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 13.4:
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 13.5:
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 13.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 13.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition is for Boiler #5. It is a capping condition which provides information to support the emissions tracking necessary in order to cap emissions from Green Fuel Boiler #6 and from Boilers #1, #2 and #5. Capping of the boiler emissions avoids the applicability of prevention of significant deterioration (PSD) requirements, pursuant to 40CFR 52-A.21, and new source review in nonattainment areas and ozone transport region (NNSR) requirements, pursuant to 6NYCRR 231-2.2.

To support the emissions tracking necessary, Boiler #5, when firing P-300 Bottoms and natural gas simultaneously, shall meet an oxides of nitrogen (NOx) emission limit of 10.44 pounds of NOx per hour. This limit is a maximum; the stated value shall not be exceeded.

Compliance with this NOx limit shall be demonstrated by conducting performance tests. Initial compliance shall be demonstrated no later than 180 days after startup of Green Fuel Boiler #6.

The averaging method shall be the arithmetic mean of the results of 3 separate runs as required by 40CFR 60.8(f). Each run shall be a 1-hour average.

Testing shall occur with a bottoms feed rate of 1 gallon per minute while the natural gas burner is at high fire and then at low fire. Results shall also be reported in units of parts per million and pounds per million Btus. During each test run, a composite sample of bottoms shall be obtained and the same analysis shall be conducted as was accomplished for the previous performance test on Boiler #5 firing bottoms (previous performance test conducted March 7 to 13, 2001 -- see Appendix D-3 of "Final Report, Project No. 00-139REV" received by the Department on January 23, 2002). In addition, facility personnel shall record process operating conditions which include, but are not limited to, natural gas burner firing rate, bottoms feed rate, stack temperature, and the other operating data as was recorded during previous performance test (see Appendices D-1 and D-2 etc. of "Final Report, Project No. 00-139REV").

Note: The performance testing value obtained will then be used to support the emissions tracking necessary in order to verify that the capped value of 68.24 tons of NOx per 12 month period is not exceeded on a 12 month rolling basis from Boilers #1, #2, #5 and #6.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 10.44 pounds per hour
Reference Test Method: 40CFR 60-A, EPA Reference Method 7E

Monitoring Frequency: Once every five years
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 14: Capping Monitoring Condition
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7.2

Item 14.1:
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:

40CFR 52-A.21

Item 14.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 14.3:
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 14.4:
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 14.5:
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 14.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 14.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

This condition is for Boiler #5. It is a capping condition which provides information to support the emissions tracking necessary in order to cap emissions from Green Fuel Boiler #6 and from Boilers #1, #2 and #5. Capping of the boiler emissions avoids the applicability of prevention of significant deterioration (PSD) requirements, pursuant to 40CFR 52-A.21.

To support the emissions tracking necessary, Boiler #5, when firing P-300 Bottoms and natural gas simultaneously, shall meet a particulate matter (PM) emission limit of 0.2 pounds of PM per hour. This limit is a maximum; the stated value shall not be exceeded.

Compliance with this PM limit shall be demonstrated by conducting performance tests. Initial compliance shall be demonstrated no later than 180 days after startup of Green Fuel Boiler #6.

The averaging method shall be the arithmetic mean of the results of 3 separate runs as required by 40CFR 60.8(f). Each run shall be at least 120 minutes each and meet the other requirements of 40CFR 60-Dc.45c(a)(4).

Soot blowing is a routine operation constituting representative process conditions. Emissions from soot-blowing cannot be discarded as being the result of an upset condition, and it would be erroneous to stop soot-blowing while stack testing. Agency [EPA] guidance outlines the procedures for including soot-blowing while stack testing. The frequency with which facilities perform soot-blowing can vary significantly and the Agency guidance addresses this issue by allowing facilities to weight the soot-blowing data in the performance tests based on the frequency of the soot-blowing. See Clean Air Act National Stack Testing Guidance, September 2005, http://www.epa.gov/compliance/resources/policies/monitoring/caa/stacktesting.pdf.

Testing shall occur with a bottoms feed rate of 1 gallon per minute while the natural gas burner is at high fire and then at low fire. Results shall also be reported in units of parts per million, grains per dry standard cubic foot, and pounds per million Btus. During each test run, a composite sample of bottoms shall be obtained and the same analysis shall be conducted as was accomplished for the previous performance test on Boiler #5 firing bottoms (previous performance test conducted March 7 to 13, 2001 -- see Appendix D-3 of "Final Report, Project No. 00-139REV" received by the Department on January 23, 2002). In addition, facility personnel shall record process operating conditions which include, but are not limited to, natural gas burner firing rate, bottoms feed

rate, stack temperature, and the other operating data as was recorded during previous performance test (see Appendices D-1 and D-2 etc. of "Final Report, Project No. 00-139REV").

Note: The performance testing value obtained will then be used to support the emissions tracking necessary in order to verify that the capped value of 14.016 tons of PM per 12 month period is not exceeded on a 12 month rolling basis from Boilers #1, #2, #5 and #6.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.2 pounds per hour
Reference Test Method: 40CFR60-A, Reference Method 5
Monitoring Frequency: Once every five years
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 15: Capping Monitoring Condition
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7.2

Item 15.1:
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:

40CFR 52-A.21

Item 15.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 15.3:
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 15.4:
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 15.5:
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 15.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 15.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
This condition is a capping condition which provides information to support the emissions tracking necessary in order to cap emissions from Green Fuel Boiler #6 and from Boilers #1, #2 and #5. Capping of the boiler emissions avoids the applicability of prevention of significant deterioration (PSD) requirements, pursuant to 40CFR 52-A.21.

To support the emissions tracking necessary, the Green Fuel Boiler #6, firing wood, shall meet a sulfur dioxide (SO2) emission limit of 0.049 pounds SO2 per million Btus of heat input. This limit is a maximum; the stated value shall not be exceeded.

Compliance with this SO2 limit shall be demonstrated by conducting performance tests. Initial compliance shall be demonstrated no later than 180 days after startup of Green Fuel Boiler #6.

The averaging method shall be the arithmetic mean of the results of 3 separate runs as required by 40CFR 60.8(f). Each run shall be a 1-hour average.

Note: SO2 emissions are limited in this permit by this capping condition. It requires performance testing on Green Fuel Boiler #6 that must result in a value which does not exceed the maximum limit of 0.049 pounds SO2 per million Btus of heat input. The performance testing value obtained will then be used to support the emissions tracking necessary in order to verify that the capped value of 38.57 tons of SO2 per 12 month period is not exceeded on a 12 month rolling basis from Boilers #1, #2, #5 and #6.

Parameter Monitored: SULFUR DIOXIDE
Upper Permit Limit: 0.049 pounds per million Btus
Reference Test Method: 40CFR 60-A, EPA Reference Method 6C
Monitoring Frequency: Once every five years
Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 16: Capping Monitoring Condition
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7.2

Item 16.1:
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:

40CFR 52-A.21

Item 16.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 16.3:
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 16.4:
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 16.5:
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 16.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 16.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
This condition is a capping condition which provides information to support the emissions tracking necessary in

order to cap emissions from Green Fuel Boiler #6 and from Boilers #1, #2 and #5. Capping of the boiler emissions avoids the applicability of prevention of significant deterioration (PSD) requirements, pursuant to 40CFR 52-A.21.

To support the emissions tracking necessary, the Green Fuel Boiler #6, firing wood, shall meet a carbon monoxide (CO) emission limit of 0.147 pounds CO per million Btus of heat input. This limit is a maximum; the stated value shall not be exceeded.

Compliance with this CO limit shall be demonstrated by conducting performance tests. Initial compliance shall be demonstrated no later than 180 days after startup of Green Fuel Boiler #6.

The averaging method shall be the arithmetic mean of the results of 3 separate runs as required by 40CFR 60.8(f). Each run shall be a 1-hour average.

Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 0.147 pounds per million Btus
Reference Test Method: 40CFR60-A, Reference Method 10
Monitoring Frequency: Once every five years
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 17: Capping Monitoring Condition
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7.2

Item 17.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2.2
40CFR 52-A.21

Item 17.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 17.3:
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 17.4:
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 17.5:
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 17.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 17.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
This condition is a capping condition which provides information to support the emissions tracking necessary in order to cap emissions from Green Fuel Boiler #6 and from Boilers #1, #2 and #5. Capping of the boiler emissions avoids the applicability of prevention of significant deterioration (PSD) requirements, pursuant to 40CFR 52-A.21, and new source review in nonattainment areas and ozone transport region (NNSR) requirements, pursuant to 6NYCRR 231-2.2.

To support the emissions tracking necessary, the Green Fuel Boiler #6, firing wood, shall meet an oxides of nitrogen (NOx) emission limit of 0.087 pounds NOx per million Btus of heat input. This limit is a maximum; the stated value shall not be exceeded.

Compliance with this NOx limit shall be demonstrated by conducting performance tests. Initial compliance shall be demonstrated no later than 180 days after startup of Green Fuel Boiler #6.

The averaging method shall be the arithmetic mean of the results of 3 separate runs as required by 40CFR 60.8(f). Each run shall be a 1-hour average.

Note: NOx emissions are limited in this permit by two conditions. These conditions are this 6NYCRR 201-7.2 capping condition requiring performance testing that must

result in a value which does not exceed the maximum limit of 0.087 pounds NOx per million Btus of heat input, and a 6NYCRR 227-2.4(b)(2) condition requiring a continuous emission monitoring system (CEMS) that must result in values which do not exceed the maximum limit of 0.087 pounds NOx per million Btus of heat input. Taken together, the performance testing condition will certify operation of the CEMS and the CEMS will measure the NOx emissions discharged to the atmosphere and record the output of the system. The resulting information from these conditions will then be used to support the emissions tracking necessary in order to verify that the capped value of 68.24 tons of NOx per 12 month period is not exceeded on a 12 month rolling basis from Boilers #1, #2, #5 and #6.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.087 pounds per million Btus
Reference Test Method: 40CFR 60-A, EPA Reference Method 7E
Monitoring Frequency: Once every five years
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 18: Capping Monitoring Condition
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7.2

Item 18.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2.2
40CFR 52-A.21

Item 18.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 18.3:
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 18.4:
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 18.5:
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 18.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Regulated Contaminant(s):

CAS No: 000630-08-0	CARBON MONOXIDE
CAS No: 007446-09-5	SULFUR DIOXIDE
CAS No: 0NY075-00-0	PARTICULATES
CAS No: 0NY075-00-5	PM-10
CAS No: 0NY210-00-0	OXIDES OF NITROGEN
CAS No: 0NY998-00-0	VOC

Item 18.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
This condition is a capping condition which provides information to support the emissions tracking necessary in order to cap emissions from Green Fuel Boiler #6 and from Boilers #1, #2 and #5. Capping of the boiler emissions avoids the applicability of prevention of significant deterioration (PSD) requirements, pursuant to 40CFR 52-A.21, and new source review in nonattainment areas and ozone transport region (NNSR) requirements, pursuant to 6NYCRR 231-2.2.

To support the emissions tracking necessary, accuracy of the weigh belt system shall be verified in accordance with the following:

1) Within 180 days after startup of Green Fuel Boiler #6, the manufacturer's operation and maintenance (O & M) procedures and recommendations, supplemented with good engineering judgement, shall be summarized and, along with a notification indicating when verification will occur, shall be provided to the Department, Attn: RAPCE, at the Region 4 address listed elsewhere in this permit;
2) verification shall be performed at least annually unless information identified in 1) above suggests that more often is appropriate; and
3) upon acceptance of the information identified in 1) above by the Department, the accuracy of the wood fuel continuous weigh belt, including the integration equipment that provides the total daily weight of wood burned, shall

be verified.

Compliance with this condition shall be demonstrated by maintaining appropriate records, including supporting records and documentation.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 19: Capping Monitoring Condition
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7.2

Item 19.1:
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:

40CFR 52-A.21

Item 19.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 19.3:
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 19.4:
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 19.5:
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 19.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Regulated Contaminant(s):

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

Item 19.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

This condition is a capping condition which provides information to support the emissions tracking necessary in order to cap emissions from Green Fuel Boiler #6 and from Boilers #1, #2 and #5. Capping of the boiler emissions avoids the applicability of prevention of significant deterioration (PSD) requirements, pursuant to 40CFR 52-A.21.

To support the emissions tracking necessary, the Green Fuel Boiler #6, firing wood, shall meet a PM-10 emission limit of 0.018 pounds PM-10 per million Btus of heat input. This limit is a maximum; the stated value shall not be exceeded.

Compliance with this PM-10 limit shall be demonstrated by conducting performance tests. Initial compliance shall be demonstrated no later than 180 days after startup of Green Fuel Boiler #6.

Soot blowing is a routine operation constituting representative process conditions. Emissions from soot-blowing cannot be discarded as being the result of an upset condition, and it would be erroneous to stop soot-blowing while stack testing. Agency [EPA] guidance outlines the procedures for including soot-blowing while stack testing. The frequency with which facilities perform soot-blowing can vary significantly and the Agency guidance addresses this issue by allowing facilities to weight the soot-blowing data in the performance tests based on the frequency of the soot-blowing. See Clean Air Act National Stack Testing Guidance, September 2005, www.epa.gov/compliance/resources/policies/monitoring/caa/stacktesting.pdf.

The averaging method shall be the arithmetic mean of the results of 3 separate runs as required by 40CFR 60.8(f). Each run shall be at least 120 minutes each and meet the other requirements of 40CFR 60-Db.46b(d)(3).

Note: PM-10 emissions are limited in this permit by this capping condition. It requires performance testing on Green Fuel Boiler #6 that must result in a value which does not exceed the maximum limit of 0.018 pounds PM-10 per million Btus of heat input. The performance testing value obtained will then be used to support the emissions

tracking necessary in order to verify that the capped value of 14.016 tons of PM-10 per 12 month period is not exceeded on a 12 month rolling basis from Boilers #1, #2, #5 and #6.

Parameter Monitored: PM-10
Upper Permit Limit: 0.018 pounds per million Btus
Reference Test Method: 40CFR51-M, EPA RM 201A and EPA RM 202
Monitoring Frequency: Once every five years
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 20: Capping Monitoring Condition
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7.2

Item 20.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2.2
40CFR 52-A.21

Item 20.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 20.3:
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 20.4:
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 20.5:
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 20.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Regulated Contaminant(s):

CAS No: 000630-08-0	CARBON MONOXIDE
CAS No: 007446-09-5	SULFUR DIOXIDE
CAS No: 0NY075-00-0	PARTICULATES
CAS No: 0NY075-00-5	PM-10
CAS No: 0NY210-00-0	OXIDES OF NITROGEN
CAS No: 0NY998-00-0	VOC

Item 20.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

This is a condition for Boiler #4. It is a capping condition which provides information to support the emissions tracking necessary in order to cap emissions from Green Fuel Boiler #6 and from Boilers #1, #2 and #5. Capping of the boiler emissions avoids the applicability of prevention of significant deterioration (PSD) requirements, pursuant to 40CFR 52-A.21, and new source review in nonattainment areas and ozone transport region (NNSR) requirements, pursuant to 6NYCRR 231-2.2.

To support the emissions tracking necessary, Boiler #4 shall not be operated. Boiler #4 is listed as Source B0400 in Emission Unit #3 in the existing title V permit. This boiler had previously burned hazardous waste and has been decommissioned to no longer burn hazardous waste, presently is out of service, and would be capable of firing only natural gas if placed in service. However, since the capping conditions in the permit application for Green Fuel Boiler #6 did not include emissions from Boiler #4, operation including any firing of Boiler #4 shall not occur. Compliance with this condition shall be demonstrated by maintaining appropriate records, including supporting records and documentation, that indicate that Boiler #4 does not operate.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 21: Capping Monitoring Condition
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7.2

Item 21.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following

applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2.2
40CFR 52-A.21

Item 21.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 21.3:
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 21.4:
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 21.5:
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 21.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 21.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
This condition provides a cap on volatile organic compound (VOC) emissions from Green Fuel Boiler #6 and from Boilers #1, #2 and #5, in order to avoid the applicability of prevention of significant deterioration (PSD) requirements, pursuant to 40CFR 52-A.21, and new source review in nonattainment areas and ozone transport region (NNSR) requirements, pursuant to 6NYCRR 231-2.2.

A) Boilers #1, #2, #5, and Green Fuel Boiler #6 together shall not exceed a VOC emission limit cap of 14.913 tons

of VOC per 12 month period on a 12 month rolling basis. This limit is a maximum; the stated value shall not be exceeded. In order to verify that the cap is not exceeded, components of daily emissions, total daily emissions, total monthly emissions, and 12 month rolling totals shall be calculated as follows:

1) Component of emissions from Green Fuel Boiler #6 firing wood:

EW = PER x HVW x DWW

where:

i) EW means "emissions from wood" and is the daily component of VOC emissions from the boiler firing wood, expressed in pounds of VOC per day;
ii) PER means "pollutant emission rate" and is the VOC emission rate value resulting from the latest approved VOC performance test on the boiler when firing wood, expressed in pounds of VOC per million Btus, and is determined by another capping condition of this permit;
iii) HVW means "heating value of wood" and is the average of all sample results to date of the heating value of wood fuel input to the boiler, expressed in million Btus per pound of wood burned, and is determined by another capping condition of this permit; and
iv) DWW means "daily weight of wood" and is the weight of fuel input to the boiler which is integrated on a daily basis by a continuous weigh belt that measures the weight of fuel input, expressed in pounds of wood burned per day, and is determined by another capping condition of this permit.

2) Component of emissions from Green Fuel Boiler #6 startup burner firing natural gas:

ENG = GEF x HVG x RHI x DHO

where:

i) ENG means "emissions from natural gas" and is the daily component of VOC emissions from the startup burner firing natural gas, expressed in pounds of VOC per day;
ii) GEF means "gas emission factor" and is the VOC emission factor for a natural gas fired startup burner from Table 1.4-2 of the latest update of AP-42, expressed in pounds of VOC per million standard cubic feet of natural gas fired;
iii) HVG means "heating value of gas" and is the heating value of 1 standard cubic foot of natural gas, expressed as 1 standard cubic foot per 1020 Btus;
iv) RHI means "rated heat input" and is the rated heat input of the natural gas startup burner, expressed as 0.15 million Btus per hour for the startup burner; and

v) DHO means " daily hours of operation" and is the total actual hours per day that the startup burner fires natural gas, expressed in hours per day.
vi) As an alternative, AGU may be substituted for HVG, RHI and DHO in the above formula of this section. AGU means "actual gas used" and is the total sum of daily metered actual natural gas used by the startup burner, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in million standard cubic feet per day.

3) Component of emissions from Boilers #1 and #2 firing natural gas:

ENG = GEF x HVG x RHI x DHO

where:

i) ENG means "emissions from natural gas" and is the daily component of VOC emissions from both boilers together firing natural gas, expressed in pounds of VOC per day;
ii) GEF means "gas emission factor" and is the VOC emission factor for a natural gas fired boiler from Table 1.4-2 of the latest update of AP-42, expressed in pounds of VOC per million standard cubic feet of natural gas fired;
iii) HVG means "heating value of gas" and is the heating value of 1 standard cubic foot of natural gas, expressed as 1 standard cubic foot per 1020 Btus;
iv) RHI means "rated heat input" and is the rated heat input of the boiler regardless of whether either boiler or both boilers operate, expressed as 50 million Btus per hour; and
v) DHO means " daily hours of operation" and is the sum of the total actual hours per day that each boiler fires natural gas, expressed in hours per day.
vi) As an alternative, AGU may be substituted for HVG, RHI and DHO in the above formula of this section. AGU means "actual gas used" and is the total sum of daily metered actual natural gas used by both boilers, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in million standard cubic feet per day.

4) Component of emissions from Boilers #1 and #2 firing fuel oil:

EFO = OEF x HVO x RHI x DHO

where:

i) EFO means "emissions from fuel oil" and is the daily

component of VOC emissions from both boilers together firing #2 fuel oil, expressed in pounds of VOC per day;
ii) OEF means "oil emission factor" and is the VOC (i.e. NMTOC) emission factor for a distillate oil fired industrial boiler from Table 1.3-3 of the latest update of AP-42, expressed in pounds of VOC per thousand gallons of fuel oil fired;
iii) HVO means "heating value of oil" and is the heating value of 1 gallon of #2 fuel oil, expressed as 1 gallon per 0.140 million Btus;
iv) RHI means "rated heat input" and is the rated heat input of the boiler regardless of whether either boiler or both boilers operate, expressed as 50 million Btus per hour; and
v) DHO means " daily hours of operation" and is the sum of the total actual hours per day that each boiler fires #2 fuel oil, expressed in hours per day.
vi) As an alternative, AOU may be substituted for HVO, RHI and DHO in the above formula of this section. AOU means "actual oil used" and is the total sum of daily metered actual fuel oil used by both boilers, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in thousand gallons per day.

5) Component of emissions from Boiler #5 firing natural gas (excluding emissions from firing P-300 bottoms and natural gas simultaneously):

ENG = GEF x HVG x RHI x DHO

where:

i) ENG means "emissions from natural gas" and is the daily component of VOC emissions from the boiler firing natural gas, expressed in pounds of VOC per day;
ii) GEF means "gas emission factor" and is the VOC emission factor for a natural gas fired boiler from Table 1.4-2 of the latest update of AP-42, expressed in pounds of VOC per million standard cubic feet of natural gas fired;
iii) HVG means "heating value of gas" and is the heating value of 1 standard cubic foot of natural gas, expressed as 1 standard cubic foot per 1020 Btus;
iv) RHI means "rated heat input" and is the rated heat input of the boiler, expressed as 85.9 million Btus per hour for Boiler #5; and
v) DHO means " daily hours of operation" and is the total actual hours per day that the boiler fires natural gas (excludes hours that the boiler fires natural gas and P-300 bottoms simultaneously), expressed in hours per day.

vi) As an alternative, AGU may be substituted for HVG, RHI and DHO in the above formula of this section. AGU means "actual gas used" and is the total sum of daily metered actual natural gas fuel used by the boiler, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in million standard cubic feet per day.

6) Component of emissions from Boiler #5 firing fuel oil:

EFO = OEF x HVO x RHI x DHO

where:

i) EFO means "emissions from fuel oil" and is the daily component of VOC emissions from the boiler firing #2 fuel oil, expressed in pounds of VOC per day;
ii) OEF means "oil emission factor" and is the VOC (i.e. NMTOC) emission factor for a distillate oil fired industrial boiler from Table 1.3-3 of the latest update of AP-42, expressed in pounds of VOC per thousand gallons of fuel oil fired;
iii) HVO means "heating value of oil" and is the heating value of 1 gallon of #2 fuel oil, expressed as 1 gallon per 0.140 million Btus;
iv) RHI means "rated heat input" and is the rated heat input of the boiler, expressed as 85.9 million Btus per hour for Boiler #5; and
v) DHO means " daily hours of operation" and is the total actual hours per day that the boiler fires #2 fuel oil, expressed in hours per day.
vi) As an alternative, AOU may be substituted for HVO, RHI and DHO in the above formula of this section. AOU means "actual oil used" and is the total sum of daily metered actual fuel oil used by the boiler, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in thousand gallons per day.

7) Component of emissions from Boiler #5 simultaneously firing P-300 bottoms and natural gas:

EBG = ((BEF x HVB x BHI) + (GEF x HVG x GHI)) x DHO

where:

i) EBG means "emissions from bottoms and gas" and is the daily component of VOC emissions from the boiler simultaneously firing P-300 bottoms and natural gas, expressed in pounds of VOC per day;
ii) BEF means "bottoms emission factor" and is the VOC (i.e. TOC) emission factor for an atomizing burner firing waste oil from Table 1.11-3 of the latest update of AP-42,

expressed in pounds of VOC per thousand gallons of waste oil fired;
iii) GEF means "gas emission factor" and is the VOC emission factor for a natural gas fired boiler from Table 1.4-2 of the latest update of AP-42, expressed in pounds of VOC per million standard cubic feet of natural gas fired;
iv) HVB means "heating value of bottoms" and is the heating value of 1 gallon of P-300 Bottoms, expressed as 1 gallon per 0.125 million Btus;
v) HVG means "heating value of gas" and is the heating value of 1 standard cubic foot of natural gas, expressed as 1 standard cubic foot per 1020 Btus;
vi) BHI means "bottoms heat input" and is the heat input of the boiler due to firing bottoms, determined as the product of the heating value of a gallon of bottoms (0.125 million Btus per gallon) and the maximum bottoms input (60 gallons per hour), expressed as 7.5 million Btus per hour for Boiler #5;
vii) GHI means "gas heat input" and is the heat input of the boiler due to firing natural gas, determined as the difference between the rated heat input of the boiler (85.9 million Btus per hour) and the portion of heat input due to the firing of P-300 bottoms (7.5 million Btus per hour), expressed as 78.4 million Btus per hour for Boiler #5; and
viii) DHO means " daily hours of operation" and is the total actual hours per day that the boiler simultaneously fires P-300 bottoms and natural gas, expressed in hours per day.
ix) As an alternative, ABU may be substituted for HVB, BHI and DHO, and AGU may be substituted for HVG, GHI and DHO, in the above formula of this section. ABU means "actual bottoms used" and is the total sum of daily metered actual P-300 bottoms used by the boiler, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in thousand gallons per day. AGU means "actual gas used" and is the total sum of daily metered actual natural gas fuel used by the boiler, corrected to standard conditions for temperature of 20 degrees C (68 degrees F) and absolute pressure of 760 millimeters (30 inches) of mercury, expressed in million standard cubic feet per day.

8) The components of emissions calculated by sections 1) through 7) above shall be summed each day to determine the total pounds of VOC emissions per day. The pounds of VOC emitted each month shall be determined by summing the total pounds of VOC emitted each day. The amount of VOC emitted per 12 month period shall be determined on a 12 month rolling basis from the amounts of monthly VOC emitted. The capped value of 14.913 tons of VOC per 12

month period from Boilers #1,# 2, #5 and #6 shall not be exceeded.

B) Records shall be maintained and shall include as necessary, but not be limited to, the most recently approved VOC performance test value for Boiler #6 when firing wood, the latest average heating value of wood burned, the daily weight of wood burned, emission factors from the latest update of AP-42 utilized in the calculations, the daily hours of operation for each boiler (#1, #2, #5 and #6 startup burner) burning each fuel, daily metered actual fuel used for the startup burner and for each boiler, daily metered actual fuel used for the startup burner and for each boiler corrected to standard conditions for temperature and absolute pressure, pounds per day of each component of VOC emissions, the total pounds per day of VOC emissions, the pounds per month of VOC emissions, the amount per 12 month period on a 12 month rolling basis of VOC emissions, and the supporting records and documentation of each of the records identified in this paragraph.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL CONSUMPTION
Parameter Monitored: VOC
Upper Permit Limit: 14.913 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 12 calendar month(s).

Condition 22: Capping Monitoring Condition
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7.2

Item 22.1:
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:

40CFR 52-A.21

Item 22.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 22.3:
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 22.4:
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 22.5:
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 22.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 22.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
This condition is for Boiler #5. It is a capping condition which provides information to support the emissions tracking necessary in order to cap emissions from Green Fuel Boiler #6 and from Boilers #1, #2 and #5. Capping of the boiler emissions avoids the applicability of prevention of significant deterioration (PSD) requirements, pursuant to 40CFR 52-A.21.

To support the emissions tracking necessary, Boiler #5, when firing P-300 Bottoms and natural gas simultaneously, shall meet a PM-10 emission limit of 0.2 pounds of PM-10 per hour. This limit is a maximum; the stated value shall not be exceeded.

Compliance with this PM-10 limit shall be demonstrated by conducting performance tests. Initial compliance shall be demonstrated no later than 180 days after startup of Green Fuel Boiler #6.

The averaging method shall be the arithmetic mean of the results of 3 separate runs as required by 40CFR 60.8(f). Each run shall be at least 120 minutes each and meet the other requirements of 40CFR 60-Dc.45c(a)(4).

Soot blowing is a routine operation constituting representative process conditions. Emissions from soot-blowing cannot be discarded as being the result of an upset condition, and it would be erroneous to stop soot-blowing while stack testing. Agency [EPA] guidance outlines the procedures for including soot-blowing while stack testing. The frequency with which facilities perform soot-blowing can vary significantly and the Agency guidance addresses this issue by allowing facilities to weight the soot-blowing data in the performance tests based on the frequency of the soot-blowing. See Clean Air Act National Stack Testing Guidance, September 2005, http://www.epa.gov/compliance/resources/policies/monitoring/caa/stacktesting.pdf.

Testing shall occur with a bottoms feed rate of 1 gallon per minute while the natural gas burner is at high fire and then at low fire. Results shall also be reported in units of parts per million, grains per dry standard cubic foot, and pounds per million Btus. During each test run, a composite sample of bottoms shall be obtained and the same analysis shall be conducted as was accomplished for the previous performance test on Boiler #5 firing bottoms (previous performance test conducted March 7 to 13, 2001 -- see Appendix D-3 of "Final Report, Project No. 00-139REV" received by the Department on January 23, 2002). In addition, facility personnel shall record process operating conditions which include, but are not limited to, natural gas burner firing rate, bottoms feed rate, stack temperature, and the other operating data as was recorded during previous performance test (see Appendices D-1 and D-2 etc. of "Final Report, Project No. 00-139REV").

Note: The performance testing value obtained will then be used to support the emissions tracking necessary in order to verify that the capped value of 14.016 tons of PM-10 per 12 month period is not exceeded on a 12 month rolling basis from Boilers #1, #2, #5 and #6.

Parameter Monitored: PM-10
Upper Permit Limit: 0.2 pounds per hour
Reference Test Method: 40CFR51-M, EPA RM 201A and EPA RM 202
Monitoring Frequency: Once every five years
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 23: Capping Monitoring Condition
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7.2

Item 23.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2.2
40CFR 52-A.21

Item 23.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 23.3:
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 23.4:
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 23.5:
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 23.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 23.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
This condition is a capping condition which provides information to support the emissions tracking necessary in order to cap emissions from Green Fuel Boiler #6 and from Boilers #1, #2 and #5. Capping of the boiler emissions avoids the applicability of prevention of significant deterioration (PSD) requirements, pursuant to 40CFR 52-A.21, and new source review in nonattainment areas and ozone transport region (NNSR) requirements, pursuant to

6NYCRR 231-2.2.

To support the emissions tracking necessary, the Green Fuel Boiler #6, firing wood, shall meet a volitale organics compound (VOC) emission limit of 0.019 pounds VOC per million Btus of heat input. This limit is a maximum; the stated value shall not be exceeded.

Compliance with this VOC limit shall be demonstrated by conducting performance tests. Initial compliance shall be demonstrated no later than 180 days after startup of Green Fuel Boiler #6.

The averaging method shall be the arithmetic mean of the results of 3 separate runs as required by 40CFR 60.8(f). Each run shall be a 1-hour average.

Note: VOC emissions are limited in this permit by this capping condition. It requires performance testing on Green Fuel Boiler #6 that must result in a value which does not exceed the maximum limit of 0.019 pounds VOC per million Btus of heat input. The performance testing value obtained will then be used to support the emissions tracking necessary in order to verify that the capped value of 14.913 tons of VOC per 12 month period is not exceeded on a 12 month rolling basis from Boilers #1, #2, #5 and #6.

Parameter Monitored: VOC
Upper Permit Limit: 0.019 pounds per million Btus
Reference Test Method: 40CFR 60-A, EPA Reference Method 25A
Monitoring Frequency: Once every five years
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 24: Capping Monitoring Condition
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7.2

Item 24.1:
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:

40CFR 52-A.21

Item 24.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 24.3:

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 24.4:
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 24.5:
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 24.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 24.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
This condition is for Boiler #5. It is a capping condition which provides information to support the emissions tracking necessary in order to cap emissions from Green Fuel Boiler #6 and from Boilers #1, #2 and #5. Capping of the boiler emissions avoids the applicability of prevention of significant deterioration (PSD) requirements, pursuant to 40CFR 52-A.21.

To support the emissions tracking necessary, Boiler #5, when firing P-300 Bottoms and natural gas simultaneously, shall meet a carbon monoxide (CO) emission limit of 4.73 pounds of CO per hour. This limit is a maximum; the stated value shall not be exceeded.

Compliance with this CO limit shall be demonstrated by conducting performance tests. Initial compliance shall be demonstrated no later than 180 days after startup of Green Fuel Boiler #6.

The averaging method shall be the arithmetic mean of the results of 3 separate runs as required by 40CFR 60.8(f). Each run shall be a 1-hour average.

Testing shall occur with a bottoms feed rate of 1 gallon per minute while the natural gas burner is at high fire and then at low fire. Results shall also be reported in units of parts per million and pounds per million Btus. During each test run, a composite sample of bottoms shall be obtained and the same analysis shall be conducted as was accomplished for the previous performance test on Boiler #5 firing bottoms (previous performance test conducted March 7 to 13, 2001 -- see Appendix D-3 of "Final Report, Project No. 00-139REV" received by the Department on January 23, 2002). In addition, facility personnel shall record process operating conditions which include, but are not limited to, natural gas burner firing rate, bottoms feed rate, stack temperature, and the other operating data as was recorded during previous performance test (see Appendices D-1 and D-2 etc. of "Final Report, Project No. 00-139REV").

Note: The performance testing value obtained will then be used to support the emissions tracking necessary in order to verify that the capped value of 116.07 tons of CO per 12 month period is not exceeded on a 12 month rolling basis from Boilers #1, #2, #5 and #6.

Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 4.73 pounds per hour
Reference Test Method: 40CFR60-A, Reference Method 10
Monitoring Frequency: Once every five years
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 25: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 202-1

Item 25.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 25.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Intermittent Emission Testing conditions of this permit shall additionally meet the following:

1) Stack tests shall be conducted at the maximum normal operating load. Initial compliance shall be demonstrated

and operating limits shall be established based on these tests.

2) Stack tests shall not be conducted during periods of startup, shutdown or malfunction.

3) Where stack test emission limits are in lb/MMBtu, compliance with the emission limits shall be determined by using the F-Factor methodology and equations in sections 12.2 and 12.3 of EPA Method 19 of Appendix A to Part 60. The measured particulate matter (PM/PM-10) concentrations and other measured contaminant concentrations that result from all initial and subsequent stack tests shall be converted to lb/MMBtu heat input emission rates using F-Factors.

Meeting of the above may result in the need to conduct more than one stack test.

Records shall be maintained to demonstrate compliance.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 26: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

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

Item 26.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 26.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
No person will sell, offer for sale, purchase or use any solid fuel which contains sulfur in a quantity exceeding the following limitation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: WOOD
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 1.7 pounds per million Btus
Monitoring Frequency: MONTHLY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 27: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

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

Item 27.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 27.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
No person will sell, offer for sale, purchase or use any solid fuel which contains sulfur in a quantity exceeding the following limitation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: WOOD
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 1.9 pounds per million Btus
Monitoring Frequency: MONTHLY
Averaging Method: 3-MONTH AVERAGE ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 28: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

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

Item 28.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 28.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

No person will sell, offer for sale, purchase or use any solid fuel which contains sulfur in a quantity exceeding the following limitation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: WOOD
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 2.5 pounds per million Btus
Monitoring Frequency: MONTHLY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 29: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 225-1.8

Item 29.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 29.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The facility owner or operator shall compile and retain records of the following information:

a. fuel analyses and data on the quantities of all solid fuel received, burned or sold;
b. the names of all purchasers of all solid fuel sold;
c. any results of stack sampling, stack monitoring and other procedures used to ensure compliance with the provisions of 6 NYCRR Part 225-1.

These records shall be retained for a minimum period of five years. The records shall be made available for inspection by Department staff during normal business hours. In addition, copies of such records shall be furnished to Department staff upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 30: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 225-1.8(d)

Item 30.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 30.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
All sampling, compositing, and analysis of fuel samples taken to determine compliance with 6NYCRR 225-1 shall be done in accordance with methods acceptable to the commissioner. This shall include, but is not limited to, the following:

At a minimum, all fuel samples shall be composite samples and each shall be obtained (collected) and prepared using procedures indicated, and at a monitoring frequency indicated, by conditions located elsewhere in this permit shown under 6NYCRR 227-1.7(b). Each composite fuel sample shall be analyzed and the resulting fuel analysis shall contain, as a minimum, data on the sulfur content, specific gravity and heating value of any solid fuel received, burned or sold. Ash content shall also be included in the analysis for any solid fuel received, burned or sold.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 31: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 227-1.2(a)(4)

Item 31.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 31.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

Any stationary combustion installation that is not subject to 6 NYCRR 227-1.2(a)(3) and is burning wood shall limit particulate matter (PM) emissions into the outdoor atmosphere to meet the permissible emission rates specified in Table 1 of 6 NYCRR 227-1.2(b).

The Green Fuel Boiler #6, firing wood, shall meet a PM emission limit of 0.319 pounds PM per million Btus of heat input. This limit is a maximum; the stated value shall not be exceeded.

Compliance with this PM limit shall be demonstrated by conducting performance tests. Initial compliance shall be demonstrated no later than 180 days after startup of Green Fuel Boiler #6.

Soot blowing is a routine operation constituting representative process conditions. Emissions from soot-blowing cannot be discarded as being the result of an upset condition, and it would be erroneous to stop soot-blowing while stack testing. Agency [EPA] guidance outlines the procedures for including soot-blowing while stack testing. The frequency with which facilities perform soot-blowing can vary significantly and the Agency guidance addresses this issue by allowing facilities to weight the soot-blowing data in the performance tests based on the frequency of the soot-blowing. See Clean Air Act National Stack Testing Guidance, September 2005, http://www.epa.gov/compliance/resources/policies/monitoring/caa/stacktesting.pdf.

The averaging method shall be the arithmetic mean of the results of 3 separate runs as required by 40CFR 60.8(f). Each run shall be at least 120 minutes each and meet the other requirements of 40CFR 60-Db.46b(d)(3).

Note: PM emissions are limited in this permit by three conditions. Each condition requires performance testing that must result in a value which does not exceed the maximum limit stated for that condition. These conditions are:

1) a 6NYCRR 201-7.2 capping condition with maximum limit of 0.018 pounds PM per million Btus of heat input,
2) a 40CFR 60-Db.43b(h)(1) condition with maximum limit of 0.030 pounds PM per million Btus of heat input, and
3) this 6NYCRR 227-1.2(a)(4) condition with maximum limit

of 0.319 pounds PM per million Btus of heat input.

Compliance with the performance testing 6NYCRR 201-7.2 capping condition shall ensure that the other two PM performance testing conditions are met. The resulting information from the performance testing capping condition will then be used to support the emissions tracking necessary in order to verify that the capped value of 14.016 tons of PM per 12 month period is not exceeded on a 12 month rolling basis from Boilers #1, #2, #5 and #6.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.319 pounds per million Btus
Reference Test Method: 40CFR60-A, Reference Method 5
Monitoring Frequency: Once every five years
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 32: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

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

Item 32.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 32.2:
Compliance Demonstration shall include the following monitoring:

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

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one six minute period per hour of not more than 27 percent opacity.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 33: Multiple fuels particulate matter emission rate.
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 227-1.5

Item 33.1:
This Condition applies to Emission Unit: A-SFB06

Item 33.2:
When two or more different fuels are burned simultaneously in a single furnace of a stationary combustion installation, the permissible emission rate for a contaminant shall be the sum of the permissible emission rates of the contaminant for each fuel multiplied by the heat derived from such fuel.

Condition 34: Corrective Action
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 227-1.6(a)

Item 34.1:
This Condition applies to Emission Unit: A-SFB06

Item 34.2:
Any facility found in violation of the provisions of this Part shall not cause, permit, or allow the operation of the affected stationary combustion installation unless:

(1) it is equipped with approved emission control equipment;

(2) it is rehabilitated or upgraded in an approved manner; or

(3) the fuel is changed to an acceptable type.

Condition 35: Corrective Action
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 227-1.6(b)

Item 35.1:
This Condition applies to Emission Unit: A-SFB06

Item 35.2:
The commissioner may seal such stationary combustion installation so as to prevent any operation if the conditions of paragraphs 6 NYCRR Part 227-1.6(a)(1)-(3) are not met within the time provided by the order of final determination issued in the case of the violation.

Condition 36: Corrective Action
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 227-1.6(c)

Item 36.1:
This Condition applies to Emission Unit: A-SFB06

Item 36.2:
No person shall cause, permit, or allow the operation of any affected stationary combustion installation sealed by the commissioner in accordance with 6 NYCRR Part 227-1.6.

Condition 37: Corrective Action
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 227-1.6(d)

Item 37.1:
This Condition applies to Emission Unit: A-SFB06

Item 37.2:
No person except the commissioner or his representatives shall remove, tamper with or destroy any seal affixed to any stationary combustion installation in accordance with 6 NYCRR Part 227-1.6.

Condition 38: General Provisions
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 227-1.7

Item 38.1:
This Condition applies to Emission Unit: A-SFB06

Item 38.2:
(a) Emission data. Any person who owns or operates a stationary combustion installation described in 6 NYCRR Part 227-1 shall provide pertinent data concerning emissions when so requested by the commissioner.

(b) Test methods. Sampling, compositing and analysis of fuel samples shall be carried out in accordance with the most recent ASTM standard methods or equivalent methods acceptable to the commissioner.

Condition 39: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 227-1.7(b)

Item 39.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 39.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

At a minimum, the facility shall obtain composite fuel samples for each fuel type by:

1) Stop the belt and withdraw a 6 inch wide sample from the full cross section of the stopped belt to obtain a minimum two pounds of sample. Collect all the material (fines and coarse) in the full cross section. Transfer the sample to a clean plastic bag.

2) Each composite sample shall consist of a minimum of three samples collected at approximately equal intervals during the testing period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 40: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 227-1.7(b)

Item 40.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 40.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The Green Fuel Boiler #6 shall undergo composite fuel sampling and fuel analysis for each type of wood fuel burned. The composite fuel sampling and fuel analysis requirements of this condition shall be applicable to conditions included in this permit that require fuel analysis where sampling and analysis for required parameters and constituents is either implicitly or explicitly stated or where sampling and analysis for required parameters and constituents results from activities which the condition requires. Such conditions shall include, but are not limited to, those shown under 6NYCRR 201-5.3(b), 201-7.2, 225-1.8, 225-1.8(d), and 227-1.7(b).

The following are requirements for composite fuel sampling and fuel analysis for each type of wood fuel burned:

A) The facility shall obtain (collect) and prepare composite fuel samples. Each composite fuel sample shall be analyzed and the resulting fuel analysis shall contain the data required.

B) Data for required parameters and constituents shall be determined. Running averages of parameter and constituent sample results to date shall be determined. The averages may be used in calculations that involve quantification of emissions, provided the permittee successfully demonstrates that use of the averages is justified.

C) Fuel analysis monitoring frequency shall be as follows:
1) During the time period from Green Fuel Boiler #6 startup until initial stack testing has been completed (up to 180 days after boiler startup), monthly composite sampling and fuel analysis shall be conducted to determine sample results for required parameters and constituents. Samples shall be taken such that uniform intervals occur between the collection of each sample.
2) After successful completion of initial stack testing, the facility shall conduct composite fuel sampling and fuel analysis for required parameters and constituents no later than 5 years after the previous fuel analysis. If the facility burns a new type of unadulterated wood fuel, the facility shall conduct a fuel analysis before burning the new type of fuel in Boiler #6 and must still meet all applicable conditions of this permit. Samples shall be taken such that uniform intervals occur between the collection of each sample.
3) Conditions of this permit which require or result in more frequent fuel analysis monitoring for required parameters and constituents shall implement that monitoring for the time period covered (e.g. the capping condition shown under 6NYCRR 201-7.2 in which moisture content and heating value of wood fuel burned is to be determined).

D) The facility shall provide a written report to the Department indicating the date and results of each fuel analysis as soon as practicable after the composite fuel sample has been analyzed, not to exceed more than 30 days after completion of the fuel analysis. The report shall also include a statement certifying that the operating limits for Boiler #6 have not changed and are consistent with the conditions of this permit.

Compliance with this condition shall be demonstrated by maintaining and submitting, as necessary, appropriate records (including supporting records and documentation) that indicate: sample results for required parameters and constituents, running averages for the parameters and

constituents, demonstrations justifying the use of averages, and other information required by this condition.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 41: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 227-1.7(b)

Item 41.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 41.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The facility shall develop and submit a site specific Fuel Analysis Plan to NYSDEC, Attention: RAPCE, at the Region 4 office address specified elsewhere in this permit, for review according to the following procedures and requirements below:

A) The facility shall submit the Fuel Analysis Plan no later than 30 days before startup of Green Fuel Boiler #6. Startup is the setting in operation of the boiler or portion of the boiler for any purpose. Startup of the boiler shall not occur before the Department provides written approval of the Fuel Analysis Plan.

B) Each fuel analysis shall result from a composite fuel sample.

C) The facility shall include the following information in the Fuel Analysis Plan:

1) The identification of all fuel types anticipated to be burned in each boiler or process heater.

2) For each fuel type, the notification of whether the facility or a fuel supplier will be conducting the fuel analysis.

3) For each fuel type, a detailed description of the

sample location and specific procedures to be used for collecting and preparing the composite fuel samples. Samples shall be collected at a location that most accurately represents the fuel type, where possible, at a point prior to mixing with other dissimilar fuel types.

4) For each fuel type, the analytical methods, with the expected minimum detection levels, to be used for the measurement of each contaminant requiring fuel analysis by the conditions of this permit.

5) If the facility will be using fuel analysis from a fuel supplier in lieu of site specific sampling and analysis, the fuel supplier must use the analytical methods identified by item 4 above and meet the other requirements of the approved Fuel Analysis Plan.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 42: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 227-1.7(b)

Item 42.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 42.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The facility shall prepare each composite fuel sample according to the following procedures:

1) Thoroughly mix and pour the entire composite sample over a clean plastic sheet.
2) Break sample pieces larger than 3 inches into small sizes.
3) Make a pie shape with the entire composite sample and subdivide it into four equal parts.
4) Separate one of the quarter samples as the first subset.
5) If this subset is too large for grinding, repeat the procedure in item 3 above with the quarter sample and

obtain a 1/4 subset from this sample.
6) Grind the sample in a mill.
7) Use the procedure in item 3 above to obtain a 1/4 sub-sample for analysis. If the quarter sample is too large, subdivide it further using the same procedure.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 43: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 227-2.4(b)(2)

Item 43.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 43.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
This condition provides for measuring of the NOx emissions discharged to the atmosphere and recording of the emissions monitored.

The Green Fuel Boiler #6, firing wood, shall meet a NOx emission limit of 0.087 pounds NOx per million Btus of heat input, which is the approved NOx RACT emission limit for the boiler resulting from a case-by-case determination made pursuant to 6NYCRR 227-2.4(b)(2). This limit is a maximum; the stated value shall not be exceeded.

Compliance with this NOx limit shall be demonstrated with a Continuous Emission Monitoring System (CEMS) by measuring the NOx emissions discharged to the atmosphere and by recording the output of the system.

The owner or operator shall install, calibrate, maintain, and operate the CEMS. The CEMS shall meet the requirements of 6NYCRR 227-2.6(b) which are applicable to a source subject to 6NYCRR 227-2.6(a)(2) where NOx emissions are measured with a CEMS. Such 6NYCRR

227-2.6(b) requirements include (1)(ii), (2), (3)(i) and (iii) through (vii), and 4(i) through (v).

The averaging method shall be in accordance with requirements of 6NYCRR 227-2.6(b) which are applicable to a source subject to 6NYCRR 227-2.6(a)(2) where NOx emissions are measured with a CEMS.

The reporting frequency shall be in accordance with requirements of 6NYCRR 227-2.6(b) which are applicable to a source subject to 6NYCRR 227-2.6(a)(2) where NOx emissions are measured with a CEMS.

Note: NOx emissions are limited in this permit by two conditions. These conditions are a 6NYCRR 201-7.2 capping condition requiring performance testing that must result in a value which does not exceed the maximum limit of 0.087 pounds NOx per million Btus of heat input, and this 6NYCRR 227-2.4(b)(2) condition requiring a CEMS that must result in values which do not exceed the maximum limit of 0.087 pounds NOx per million Btus of heat input. Taken together, the performance testing condition will certify operation of the CEMS and the CEMS will measure the NOx emissions discharged to the atmosphere and record the output of the system. The resulting information from these conditions will then be used to support the emissions tracking necessary in order to verify that the capped value of 68.24 tons of NOx per 12 month period is not exceeded on a 12 month rolling basis from Boilers #1, #2, #5 and #6.

Manufacturer Name/Model Number: To be determined.
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.087 pounds per million Btus
Reference Test Method: 40CFR 60, Appendices A & B & F, RM 19 & PS 2
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 44: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 227-2.4(b)(2)

Item 44.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Regulated Contaminant(s):
CAS No: 007664-41-7 AMMONIA

Item 44.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

This condition results from the use of urea in the selective non-catalytic reduction (SNCR) control. Urea, which has ammonia as a component, is introduced into the higher temperature regions of the combustion system to reduce NOx contained in the flue gas to nitrogen and water.

The Green Fuel Boiler #6, firing wood, shall meet an ammonia emission limit of 9.3 parts per million by volume (dry, corrected to 7% O2). This limit is a maximum; the stated value shall not be exceeded.

Compliance with this ammonia limit shall be demonstrated by conducting performance tests. Initial compliance shall be demonstrated no later than 180 days after startup of Green Fuel Boiler #6.

The averaging method shall be the arithmetic mean of the results of 3 separate runs as required by 40CFR 60.8(f) and as per the reference test method indicated. Each run shall be a 1-hour average.

Parameter Monitored: AMMONIA
Upper Permit Limit: 9.3 parts per million by volume
(dry, corrected to 7% O2)
Reference Test Method: CTM-027
Monitoring Frequency: Once every five years
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 45: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 227-2.4(b)(2)

Item 45.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Regulated Contaminant(s):
CAS No: 007664-41-7 AMMONIA

Item 45.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:
This condition results from the use of urea in the selective non-catalytic reduction (SNCR) control. Urea, which has ammonia as a component, is introduced into the higher temperature regions of the combustion system to reduce NOx contained in the flue gas to nitrogen and water.

The Green Fuel Boiler #6, firing wood, shall meet an ammonia emission limit of 1.04 pounds per hour. This limit is a maximum; the stated value shall not be exceeded.

Compliance with this ammonia limit shall be demonstrated by conducting performance tests. Initial compliance shall be demonstrated no later than 180 days after startup of Green Fuel Boiler #6.

The averaging method shall be the arithmetic mean of the results of 3 separate runs as required by 40CFR 60.8(f) and as per the reference test method indicated. Each run shall be a 1-hour average.

Parameter Monitored: AMMONIA
Upper Permit Limit: 1.04 pounds per hour
Reference Test Method: CTM-027
Monitoring Frequency: Once every five years
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 46: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 50

Item 46.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 46.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
1) Page 18 of the construction permit application contains statements indicating:

A screening level dispersion modeling analysis was performed using SCREEN3 model, to demonstrate that the Green Fuel Boiler #6 will result in air quality impacts

that are in compliance with NAAQS. Modeled emission rates and impacts for the boiler were based upon the assumption of continuous operation throughout the year. As the boiler will operate at a reduced load (50% minimum operating load - interpreted to be operation at a minimum of 50% of the boiler's rated capacity) when one of the existing boilers (#1, #2 or #5) are firing natural gas or when Boiler #5 only is operating at reduced load to burn P-300 bottoms, potential ambient air quality impacts were determined for the following 4 operating scenarios:

i) Green Fuel Boiler #6 at both 100% or 50% load levels running independently of the existing boilers (i.e. running alone),
ii) Green Fuel Boiler #6 operating under the conditions that create worst case impacts while Boiler #5 is operating at 50% load and burning bottoms,
iii) Green Fuel Boiler #6 operating under worst case impact conditions and Boiler #5 firing natural gas only, and
iv) Green Fuel Boiler #6 operating under worst case impact conditions and either Boiler #1 or #2 firing natural gas.

The modeled impacts under each operating scenario were added to regional background values to demonstrate compliance with the NAAQS.

2) Review of the dispersion modeling found the modeling analysis acceptable. Impacts were maximized in simple terrain. In every case, total impacts were well below federal and state ambient air quality standards with the exception of NOx which came close, but was below, the annual standard. NOx was 94% of the standard for the second scenario and 93% of the standard for the third scenario. Onsite cavity impacts were well above the standards, but assumed that the facility's fence does not allow public access to the site. While public access is not allowed to a majority of the site, the facility parking lot and distribution center (Building #47) are outside of the facility's fence.

Based on the statements in 1) above and on review of the dispersion modeling analysis, the following shall be implemented:

i) Except during periods of startup or shutdown, Green Fuel Boiler #6, firing wood, shall not operate at less than 90 million Btus of heat input per hour (i.e. 50 percent of the boiler's rated capacity of 180 million Btus of heat input per hour).
ii) Public access shall not be allowed to those parts of the site, including the facility parking lot and the

distribution center (Building #47), which currently can be accessed.

Compliance with these requirements shall be demonstrated with appropriate records. This shall include, but not be limited to, maintaining the times of startup and shutdown for Boiler #6.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: WOOD
Parameter Monitored: HEAT INPUT
Lower Permit Limit: 90 million BTUs per hour
Monitoring Frequency: CONTINUOUS
Averaging Method: MINIMUM-NOT TO FALL BELOW EXCEPT DURING STARTUP/SHUTDOWN
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 47: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 50

Item 47.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 47.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

The second scenario of the dispersion modeling analysis has determined potential ambient air quality worst case impacts for Boiler #5 operating at a reduced (50%) load when burning P-300 bottoms while the Green Fuel Boiler #6 is concurrently burning wood. P-300 bottoms is a liquid waste material fired in a process authorized by the existing title V permit. The bottoms material has physical properties and fuel values similar to #6 fuel oil, but contains little, if any, sulfur, metals or chlorine. On the "Process Material" line of this condition, the bottoms material is characterized by the reference to "Oil".

Based on the second scenario of the dispersion modeling analysis, the following requirement shall be implemented: Except during periods of startup or shutdown, Boiler #5 shall not operate at less than 42.95 million Btus of heat

input per hour (i.e. 50 percent of the boiler's rated capacity of 85.9 million Btus of heat input per hour) when Boiler #5 fires P-300 bottoms and natural gas simultaneously, while the Green Fuel Boiler #6 is concurrently burning wood.

Compliance with this requirement shall be demonstrated with appropriate records. This shall include, but not be limited to, maintaining the times of startup and shutdown for Boiler #5 when firing P-300 bottoms.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DUAL FUEL (NATURAL GAS AND OIL BURNED SIMULTANEOUSLY)
Parameter Monitored: HEAT INPUT
Lower Permit Limit: 42.95 million BTUs per hour
Monitoring Frequency: CONTINUOUS
Averaging Method: MINIMUM-NOT TO FALL BELOW EXCEPT DURING STARTUP/SHUTDOWN
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 48: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 50

Item 48.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 48.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The dispersion modeling analysis did not include scenarios in which the existing boilers (Boilers #1, #2 and #5) fired #2 fuel oil while the Green Fuel Boiler #6 burned wood. Based on this exclusion, no existing boilers (Boilers #1, #2 and #5) shall be fired with #2 fuel oil while Green Fuel Boiler #6 is burning wood.

Compliance with this requirement shall be demonstrated with appropriate records.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 49: EPA Region 2 address.
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 49.1:
This Condition applies to Emission Unit: A-SFB06

Item 49.2:
All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

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

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

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

Condition 50: Date of Construction Notification - if a COM is used.
Effective between the dates of 07/01/2008 and Permit Expiration Date

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

Item 50.1:
This Condition applies to Emission Unit: A-SFB06

Item 50.2:
Any owner or operator subject to this part shall furnish the Administrator with the following information:

1) a notification of the date construction or reconstruction commenced, postmarked no later than 30 days after such date;

3) a notification of the actual date of initial start up, postmarked within 15 days after such date;

4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under 40 CFR 60. The notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change,

present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;

5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, postmarked not less than 30 days prior to such date;

6) a notification of the anticipated date for conducting the opacity observations, postmarked not less than 30 days prior to such date; and

7) a notification that continuous opacity monitoring system data results will be used to determine compliance with the applicable opacity standard during the performance test, postmarked not less than 30 days prior to the performance test.

Condition 51: Modification Notification
Effective between the dates of 07/01/2008 and Permit Expiration Date

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

Item 51.1:
This Condition applies to Emission Unit: A-SFB06

Item 51.2:
Any owner or operator subjsect to 40 CFR Part 60 shall furnish the Administrator and this office with the following information:

- a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under 40 CFR Part 60. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productivity capability of the facility before and after the change, and the expected completion date of the change. The Administrator and/or this Department may request additional information regarding the change.

Condition 52: Recordkeeping requirements.
Effective between the dates of 07/01/2008 and Permit Expiration Date

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

Item 52.1:
This Condition applies to Emission Unit: A-SFB06

Item 52.2:
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 53: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

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

Item 53.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 53.2:
Compliance Demonstration 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 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 54: Excess Emissions Report
Effective between the dates of 07/01/2008 and Permit Expiration Date

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

Item 54.1:

This Condition applies to Emission Unit: A-SFB06

Item 54.2:
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 55: Monitoring frequency waiver.
Effective between the dates of 07/01/2008 and Permit Expiration Date

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

Item 55.1:
This Condition applies to Emission Unit: A-SFB06

Item 55.2: Notwithstanding the frequency of reporting requirements specified in paragraph (c) of this section, an owner or operator who is required by an applicable subpart to submit excess emissions and monitoring systems performance reports (and summary reports) on a quarterly (or more frequent) basis may reduce the frequency of reporting for that standard to semiannual if the conditions in 40 CFR 60.7(e) are met.

Condition 56: Facility files for subject sources.
Effective between the dates of 07/01/2008 and Permit Expiration Date

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

Item 56.1:
This Condition applies to Emission Unit: A-SFB06

Item 56.2:
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 57: Notification Similar to State or Local Agency
Effective between the dates of 07/01/2008 and Permit Expiration Date

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

Item 57.1:
This Condition applies to Emission Unit: A-SFB06

Item 57.2:
If notification substantially similar to that in 40 CFR Part 60.7(a) is required by any other State or local agency, sending the Administrator a copy of that notification will satisfy the requirements of 40 CFR Part 60.7(a).

Condition 58: Performance testing timeline.
Effective between the dates of 07/01/2008 and Permit Expiration Date

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

Item 58.1:
This Condition applies to Emission Unit: A-SFB06

Item 58.2:
Within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup of the facility, the owner or operator of the facility shall conduct performance testing and provide the results of such tests, in a written report, to the Administrator.

Condition 59: Performance Test Methods - Waiver EU Level
Effective between the dates of 07/01/2008 and Permit Expiration Date

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

Item 59.1:
This Condition applies to Emission Unit: A-SFB06

Item 59.2:
Performance testing shall be conducted in accordance with the methods and procedures prescribed in 40 CFR Part 60 unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternate method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrators satisfaction that the affected facility is in compliance with the standatrd, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors.

Condition 60: Performance test methods.
Effective between the dates of 07/01/2008 and Permit Expiration Date

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

Item 60.1:
This Condition applies to Emission Unit: A-SFB06

Item 60.2:
Performance testing shall be conducted in accordance with the methods and procedures prescribed in this part or by alternative methods and procedures approved by the Administrator.

Condition 61: Required performance test information.
Effective between the dates of 07/01/2008 and Permit Expiration Date

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

Item 61.1:
This Condition applies to Emission Unit: A-SFB06

Item 61.2:
Performance tests shall be conducted under such conditions specified by the Administrator, based

upon representative performance data supplied by the owner or operate of the facility.

Condition 62: Prior notice.
Effective between the dates of 07/01/2008 and Permit Expiration Date

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

Item 62.1:
This Condition applies to Emission Unit: A-SFB06

Item 62.2:
The owner or operator shall provide the Administrator with prior notice of any performance test at least 30 days in advance of testing.

Condition 63: Performance testing facilities.
Effective between the dates of 07/01/2008 and Permit Expiration Date

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

Item 63.1:
This Condition applies to Emission Unit: A-SFB06

Item 63.2:
The following performance testing facilities shall be provided during all tests:

1) sampling ports adequate for tests methods applicable to such facility;

2) a safe sampling platform;

3) a safe access to the sampling platform; and

4) utilities for sampling and testing equipment.

Condition 64: Number of required tests.
Effective between the dates of 07/01/2008 and Permit Expiration Date

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

Item 64.1:
This Condition applies to Emission Unit: A-SFB06

Item 64.2:
Each performance test shall consist of three separate runs, at the specified duration required in the applicable test method. Compliance with all applicable standards shall be determined by using the arithmetic means of the results of the three runs.

Condition 65: Availability of information.
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A

Item 65.1:
This Condition applies to Emission Unit: A-SFB06

Item 65.2:
The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by part 2 of this chapter.

Condition 66: Opacity standard compliance testing.
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A

Item 66.1:
This Condition applies to Emission Unit: A-SFB06

Item 66.2:
The following conditions shall be used to determine compliance with the opacity standards:

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

2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and

3) all other applicable conditions cited in section 60.11 of this part.

Condition 67: Circumvention.
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 67.1:
This Condition applies to Emission Unit: A-SFB06

Item 67.2:
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 68: Monitoring requirements.
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A

Item 68.1:

This Condition applies to Emission Unit: A-SFB06

Item 68.2:
All continuous monitoring systems and devices shall be installed, calibrated, maintained, and operated in accordance with the requirements of section 60.13.

Condition 69: Modifications.
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 69.1:
This Condition applies to Emission Unit: A-SFB06

Item 69.2:
Within 180 days of the completion of any physical or operational change (as defined in section 60.14), compliance with the applicable standards must be achieved.

Condition 70: Reconstruction.
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.15, NSPS Subpart A

Item 70.1:
This Condition applies to Emission Unit: A-SFB06

Item 70.2:
The following shall be submitted to the Administrator prior to reconstruction (as defined in section 60.15):

1) a notice of intent to reconstruct 60 days prior to the action;

2) name and address of the owner or operator;

3) the location of the existing facility;

4) a brief description of the existing facility and the components to be replaced;

5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;

6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;

7) the estimated life of the facility after the replacements; and

8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

Condition 71: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.43b(f), NSPS Subpart Db

Item 71.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 71.2:
Compliance Demonstration shall include the following monitoring:

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

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
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 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 72: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.43b(f), NSPS Subpart Db

Item 72.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 72.2:
Compliance Demonstration shall include the following monitoring:

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

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.

Parameter Monitored: OPACITY
Upper Permit Limit: 27 percent
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 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 73: Particulate matter and opacity exemption.
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.43b(g), NSPS Subpart Db

Item 73.1:
This Condition applies to Emission Unit: A-SFB06

Item 73.2:
The particulate matter and opacity standards shall apply at all times, except during periods of startup, shutdown, or malfunction.

Condition 74: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.43b(h)(1), NSPS Subpart Db

Item 74.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 74.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
On or after the date on which the initial performance test is completed or is required to be completed under 40 CFR 60.8, whichever date comes first, no owner or operator of an affected facility that commences construction, reconstruction, or modification after February 28, 2005, and that combusts coal, oil, gas, wood, a mixture of these

fuels, or a mixture of these fuels with any other fuels shall cause to be discharged into the atmosphere from that affected facility any gases that contain particulate matter (PM) emissions in excess of 0.030 pounds PM per million Btus of heat input.

The Green Fuel Boiler #6, firing wood, shall meet this PM emission limit of 0.030 pounds PM per million Btus of heat input. This limit is a maximum; the stated value shall not be exceeded.

Compliance with this PM limit shall be demonstrated by conducting performance tests. Initial compliance shall be demonstrated no later than 180 days after startup of Green Fuel Boiler #6.

Soot blowing is a routine operation constituting representative process conditions. Emissions from soot-blowing cannot be discarded as being the result of an upset condition, and it would be erroneous to stop soot-blowing while stack testing. Agency [EPA] guidance outlines the procedures for including soot-blowing while stack testing. The frequency with which facilities perform soot-blowing can vary significantly and the Agency guidance addresses this issue by allowing facilities to weight the soot-blowing data in the performance tests based on the frequency of the soot-blowing. See Clean Air Act National Stack Testing Guidance, September 2005, http://www.epa.gov/compliance/resources/policies/monitoring/caa/stacktesting.pdf.

The averaging method shall be the arithmetic mean of the results of 3 separate runs as required by 40CFR 60.8(f). Each run shall be at least 120 minutes each and meet the other requirements of 40CFR 60-Db.46b(d)(3).

Note: PM emissions are limited in this permit by three conditions. Each condition requires performance testing that must result in a value which does not exceed the maximum limit stated for that condition. These conditions are:

1) a 6NYCRR 201-7.2 capping condition with maximum limit of 0.018 pounds PM per million Btus of heat input,
2) this 40CFR 60-Db.43b(h)(1) condition with maximum limit of 0.030 pounds PM per million Btus of heat input, and
3) a 6NYCRR 227-1.2(a)(4) condition with maximum limit of 0.319 pounds PM per million Btus of heat input.

Compliance with the performance testing 6NYCRR 201-7.2 capping condition shall ensure that the other two PM performance testing conditions are met. The resulting

information from the performance testing capping condition will then be used to support the emissions tracking necessary in order to verify that the capped value of 14.016 tons of PM per 12 month period is not exceeded on a 12 month rolling basis from Boilers #1, #2, #5 and #6.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.030 pounds per million Btus
Reference Test Method: 40CFR60-A, Reference Method 5
Monitoring Frequency: Once every five years
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 75: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.44b(d), NSPS Subpart Db

Item 75.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 75.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

The facility shall not have an annual capacity factor, as defined in 40 CFR Part 60, Subpart Db, of 10% or more for coal, oil, natural gas or a mixture of these fuels.

In addition to wood, gas is the only fuel authorized for firing in Boiler #6. The gas shall be fired for start-up.

The facility shall track the cubic feet of all gas fired in the boiler and demonstrate that heat input from the gas fired is less than 10% of the boiler's annual capacity factor. Monthly heat input, obtained from summing daily heat input, shall be rolled and the annual total rolled monthly amount shall be compared with the 10% limit of 157,680 million British thermal units per year. The 10% limit shall not be exceeded.

Compliance with this condition ensures that the NOx standard of Subpart Db shall not be applicable to Boiler #6.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: NATURAL GAS

Parameter Monitored: HEAT INPUT
Upper Permit Limit: 157680 million British thermal units per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL TOTAL ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 76: Compliance Determination - Particulate Matter and Opacity
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.46b(d), NSPS Subpart Db

Item 76.1:
This Condition applies to Emission Unit: A-SFB06

Item 76.2:
To determine compliance with the particulate matter emission limits and opacity limits under 40 CFR Part 60.43b, the owner or operator of an affected facility shall conduct an initial performance test as required under 40 CFR Part 60.8 using the following procedures and reference methods:

(1) Method 3B is used for gas analysis when applying Method 5 or Method 17.

(2) Method 5, Method 5B, or Method 17 shall be used to measure the concentration of particulate matter as follows:
(i) Method 5 shall be used at affected facilities without wet flue gas desulfurization (FGD) systems; and
(ii) Method 17 may be used at facilities with or without wet scrubber systems provided the stack gas temperature does not exceed a temperature of 160 °C (320 °F). The procedures of sections 2.1 and 2.3 of Method 5B may be used in Method 17 only if it is used after a wet FGD system. Do not use Method 17 after wet FGD systems if the effluent is saturated or laden with water droplets.
(iii) Method 5B is to be used only after wet FGD systems.

(3) Method 1 is used to select the sampling site and the number of traverse sampling points. The sampling time for each run is at least 120 minutes and the minimum sampling volume is 1.7 dscm (60 dscf) except that smaller sampling times or volumes may be approved by the Administrator when necessitated by process variables or other factors.

(4) For Method 5, the temperature of the sample gas in the probe and filter holder is monitored and is maintained at 160 °C (320 °F).

(5) For determination of particulate matter emissions, the oxygen or carbon dioxide sample is obtained simultaneously with each run of Method 5, Method 5B or Method 17 by traversing the duct at the same sampling location.

(6) For each run using Method 5, Method 5B or Method 17, the emission rate expressed in nanograms per joule heat input is determined using:
(i) The oxygen or carbon dioxide measurements and particulate matter measurements obtained under

this section,
(ii) The dry basis F factor, and
(iii) The dry basis emission rate calculation procedure contained in Method 19 (appendix A).

(7) Method 9 is used for determining the opacity of stack emissions.

Condition 77: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.48b(a), NSPS Subpart Db

Item 77.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 77.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The owner or operator shall install, calibrate, maintain, and operate a continuous monitoring system for measuring the opacity of emissions discharged to the atmosphere and record the output of the system.

Manufacturer Name/Model Number: To be determined.
Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: 40 CFR 60, Appendix B, PS 1
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 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 78: Continuous Monitoring Systems
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.48b(e), NSPS Subpart Db

Item 78.1:
This Condition applies to Emission Unit: A-SFB06

Item 78.2:
The procedures under 40 CFR Part 60.13 shall be followed for installation, evaluation, and operation of the continuous monitoring systems.

Condition 79: Span Value for Continuous Opacity Monitors
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.48b(e)(1), NSPS Subpart Db

Item 79.1:
This Condition applies to Emission Unit: A-SFB06

Item 79.2:
For affected facilities combusting coal, wood or municipal-type solid waste, the span value for a continuous monitoring system for measuring opacity shall be between 60 and 80 percent.

Condition 80: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.49b(a), NSPS Subpart Db

Item 80.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 80.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of each affected facility shall submit notification of the date of initial startup, as provided by 40 CFR Part 60.7. This notification shall include:

(1) The design heat input capacity of the affected facility and identification of the fuels to be combusted in the affected facility,

(2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any
fuel or mixture of fuels under 40 CFR Part 60.42b(d)(1), 60.43b(a)(2), (a)(3)(iii), (c)(2)(ii), (d)(2)(iii), 60.44b(c), (d), (e), (i), (j), (k), 60.45b(d), (g), 60.46b(h), or 60.48b(i),

(3) The annual capacity factor at which the owner or operator anticipates operating the facility based on all fuels fired and based on each individual fuel fired, and,

(4) Notification that an emerging technology will be used for controlling emissions of sulfur dioxide. The Administrator will examine the description of the emerging

technology and will determine whether the technology qualifies as an emerging technology. In making this determination, the Administrator may require the owner or operator of the affected facility to submit additional information concerning the control device. The affected facility is subject to the provisions of 40 CFR Part 60.42b(a) unless and until this determination is made by the Administrator.

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

Condition 81: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.49b(b), NSPS Subpart Db

Item 81.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 81.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of each affected facility subject to the sulfur dioxide, particulate matter, and/or nitrogen oxides emission limits under 40 CFR Part 60.42b, 60.43b, and 60.44b shall submit to the Administrator the performance test data from the initial performance test and the performance evaluation of the CEMS using the applicable performance specifications in appendix B.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 82: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.49b(d), NSPS Subpart Db

Item 82.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 82.2:
Compliance Demonstration 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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 83: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.49b(f), NSPS Subpart Db

Item 83.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 83.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator shall maintain records of opacity measurements made by the monitoring system required under 40CFR60.48b(a).

Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 84: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.49b(h), NSPS Subpart Db

Item 84.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 84.2:
Compliance Demonstration 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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 85: Records Retention
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.49b(o), NSPS Subpart Db

Item 85.1:
This Condition applies to Emission Unit: A-SFB06

Item 85.2:
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 86: Reporting and Recordkeeping - Electronic report submittal
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.49b(v), NSPS Subpart Db

Item 86.1:
This Condition applies to Emission Unit: A-SFB06

Item 86.2:
The owner or operator of an affected facility may submit electronic quarterly reports for SO_2 and/or NO_X and/or opacity in lieu of submitting the written reports required under paragraphs (h), (i), (j), (k) or (l) of 40 CFR 60.49b. The format of each quarterly electronic report shall be coordinated with the permitting authority. The electronic report(s) shall be submitted no later than 30 days after the end of the calendar quarter and shall be accompanied by a certification statement from the owner or operator, indicating whether compliance with the applicable emission standards and minimum data requirements of this subpart was achieved during the reporting period. Before submitting reports in the electronic format, the owner or operator shall coordinate with the permitting authority to obtain their agreement to submit reports in this

alternative format.

Condition 87: Reporting Period
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.49b(w), NSPS Subpart Db

Item 87.1:
This Condition applies to Emission Unit: A-SFB06

Item 87.2:
The reporting period for the reports required under this subpart is each 6 month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period.

Condition 88: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 64

Item 88.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 88.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The facility, when Boiler #6 fires wood, shall operate an electrostatic precipitator (ESP). The ESP shall not operate with a voltage (secondary voltage) below the limit (operating limit) stated in this condition. The limit is the minimum kilovolt value that can be used in operating the ESP.

The voltage limit shall be calculated as the average of the 3 kilovolt values established during the 3-run stack test conducted to demonstrate that particulate matter (PM) does not exceed a PM limit of 0.018 pounds per million Btus, where the PM limit is an emission cap included elsewhere in this permit for the purpose of limiting emissions to avoid the applicability of PSD requirements pursuant to 40CFR 52-A.21.

The voltage limit shall be determined by completion of the initial stack test demonstration no later than 180 days after Boiler #6 startup. The limit must be approved by

NYSDEC. A voltage limit of 55.0 kilovolts shall be used prior to this approval. Upon approval of each subsequent stack test demonstration following the initial stack test approval, the voltage limit resulting from the subsequent stack test shall be met.

Records indicating the kilovolt value has not fallen below the voltage limit shall be maintained to demonstrate compliance.

Parameter Monitored: VOLTAGE
Lower Permit Limit: 55.0 kilovolts
Monitoring Frequency: CONTINUOUS
Averaging Method: Minimum-not to fall below average parameter value determined by stack test
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 89: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 64

Item 89.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 89.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The facility, when Boiler #6 fires wood, shall operate an electrostatic precipitator (ESP). The ESP shall not operate with a power (total power input) below the limit (operating limit) stated in this condition. The limit is the minimum kilovolt-ampere value that can be used in operating the ESP.

The power limit shall be calculated as the average of the 3 kilovolt-ampere values established during the 3-run stack test conducted to demonstrate that particulate matter (PM) does not exceed a PM limit of 0.018 pounds per million Btus, where the PM limit is an emission cap included elsewhere in this permit for the purpose of

limiting emissions to avoid the applicability of PSD requirements pursuant to 40CFR 52-A.21.

The power limit shall be determined by completion of the initial stack test demonstration no later than 180 days after Boiler #6 startup. The limit must be approved by NYSDEC. A power limit of 124.2 kilovolt-amperes shall be used prior to this approval. Upon approval of each subsequent stack test demonstration following the initial stack test approval, the power limit resulting from the subsequent stack test shall be met.

Records indicating the kilovolt-ampere value has not fallen below the power limit shall be maintained to demonstrate compliance.

Parameter Monitored: POWER
Lower Permit Limit: 124.2 kilovolt-amperes
Monitoring Frequency: CONTINUOUS
Averaging Method: Minimum-not to fall below average parameter value determined by stack test
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 90: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 64

Item 90.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 90.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The facility, when Boiler #6 fires wood, shall operate an electrostatic precipitator (ESP). The ESP shall not operate with a current/current draw (secondary current) below the limit (operating limit) stated in this condition. The limit is the minimum milliamp value that can be used in operating the ESP.

The current/current draw limit shall be calculated as the average of the 3 milliamp values established during the 3-run stack test conducted to demonstrate that particulate matter (PM) does not exceed a PM limit of 0.018 pounds per million Btus, where the PM limit is an emission cap included elsewhere in this permit for the purpose of limiting emissions to avoid the applicability of PSD requirements pursuant to 40CFR 52-A.21.

The current/current draw limit shall be determined by completion of the initial stack test demonstration no later than 180 days after Boiler #6 startup. The limit must be approved by NYSDEC. A current/current draw limit of 1500 milliamps shall be used prior to this approval. Upon approval of each subsequent stack test demonstration following the initial stack test approval, the current/current draw limit resulting from the subsequent stack test shall be met.

Records indicating the milliamp value has not fallen below the current/current draw limit shall be maintained to demonstrate compliance.

Parameter Monitored: CURRENT/CURRENT DRAW
Lower Permit Limit: 1500 milliamps
Monitoring Frequency: CONTINUOUS
Averaging Method: Minimum-not to fall below average parameter value determined by stack test
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 91: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 64

Item 91.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 91.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
A) The electrostatic precipitator (ESP) unit for Boiler #6 must meet an operating limit for each of 3 parameters. The parameters include voltage (secondary voltage), current/current draw (secondary current), and power (total

power input) to the ESP. Each parameter requires the use of continuous monitoring system (CMS) equipment.

To measure the voltage, secondary current, and power to the ESP, the facility shall install, operate, and maintain a continuous parameter monitoring system (CPMS) for each parameter, according to the procedures below:

1) Each CPMS must complete a minimum of one cycle of operation for each successive 15-minute period. The facility must have a minimum of four successive cycles of operation to have a valid hour of data.

2) Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the facility must conduct all monitoring in continuous operation at all times that the unit is operating. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

3) For purposes of calculating data averages, the facility must not use data recorded during monitoring malfunctions, associated repairs, out of control periods, or required quality assurance or control activities. The facility must use all the data collected during all other periods in assessing compliance. Any period for which the monitoring system is out-of-control and data are not available for required calculations constitutes a deviation from the monitoring requirements.

4) Determine the 1-hour block average of all recorded readings, except as provided in #3 above.

5) Record the results of each inspection, calibration, and validation check.

B) Records shall be maintained to demonstrate compliance. In addition, an annual report shall be submitted on a calendar basis, due 30 days after the reporting period. The annual report shall include a summary of the monitoring required in A) above and shall also include the following:

1) A summary of information on the number, duration and cause (including unknown cause) of excursions or exceedances (deviations), as applicable, and the corrective actions taken.

2) Summary information on the number, duration and cause (including unknown cause) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks if applicable).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
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: **Public Access to Recordkeeping for Facilities With State Facility Permits - 6NYCRR Part 201-1.10(a)**
Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1) , and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

Item B: **General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**
Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

STATE ONLY APPLICABLE REQUIREMENTS
The following conditions are state only enforceable.

Condition 92: Contaminant List
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable State Requirement:ECL 19-0301

Item 92.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 007664-41-7
Name: AMMONIA

CAS No: 000630-08-0
Name: CARBON MONOXIDE

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

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

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

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

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

Condition 93: Unavoidable noncompliance and violations
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable State Requirement:6NYCRR 201-1.4

Item 93.1:
At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements,

he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

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

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

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

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

Condition 94: Emission Unit Definition
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable State Requirement:6NYCRR 201-5

Item 94.1:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: A-SFB06
Emission Unit Description:
A wood fired boiler with heat input rating of 180 MMBtu per hour equipped with electrostatic precipitator (ESP), selective noncatalytic reduction (SNCR), flue gas recirculation (FGR) and over fire air (OFA) emissions controls. This boiler (Boiler 6) will be located in a new building (Bld 48-GFB) to the west of the existing boiler building (Bld 27) and will vent through a single, 83-foot tall stack (Emission Point 00821). Emission unit processes consist of firing wood chips (biomass) and firing natural gas in the boiler.
This permit application establishes emission caps on Boiler 6 and on existing Boilers 1, 2, 4 and 5 for NOx, SO2, CO, VOC, PM, and PM-10. The emission caps are

established in order to construct Boiler 6 as a minor modification with respect to new source review (NSR) regulations, thereby avoiding the PSD requirements of 40 CFR52-A.21 and the non-attainment NSR requirements of 6 NYCRR231-2 which would otherwise have been applicable. (The emission caps on Boiler 6 are in addition to existing emission caps on Boiler 5 which are to be retained from a previous permit application. The caps on Boiler 5 were established for NOx and SO2 in order to construct the boiler as a minor modification and avoid the PSD requirements of 40 CFR52-A.21, which would otherwise have been applicable.)

Building(s): BLD 48-CT
BLD 48-ESP
BLD 48-GFB
BLD 48-T
BLD 48-WH
BLD 48-WS

Condition 95: Air pollution prohibited
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable State Requirement:6NYCRR 211.2

Item 95.1:
No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

**** Emission Unit Level ****

Condition 96: Emission Point Definition By Emission Unit
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable State Requirement:6NYCRR 201-5

Item 96.1:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: A-SFB06

Emission Point: 00821
Height (ft.): 83 Diameter (in.): 72
NYTMN (km.): 4745.989 NYTME (km.): 579.569 Building: BLD 48-ESP

Condition 97: Process Definition By Emission Unit
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable State Requirement:6NYCRR 201-5

Item 97.1:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: A-SFB06
Process: GF6 Source Classification Code: 1-02-009-03
Process Description:
Green Fuel Boiler #6: Boiler #6 is a refurbished wood (biomass) fired boiler, originally manufactured by Bigelow Boiler Corporation, that fires gas during periods of boiler start-up. The boiler is equipped with selective non-catalytic reduction (SNCR), flue gas recirculation (FGR), and over fire air (OFA) to control NOx emissions once the boiler has achieved at least 50% load, and an electrostatic precipitator (ESP) to control particulate emissions. The wood which fuels the boiler consists of unadulterated wood such as green whole tree chips, shredded pallets, or saw mill refuse.

The boiler has a heat input rate of 180 million (MM) Btu per hour when firing wood. The gas burner heat input rate is 150,000 Btu/hour or 0.15 MMBtu per hour. When wood and gas are fired together, the boiler has a total heat input rate of 180.15 MMBtu per hour, with a 99.92% fraction of total heat input from wood and a 0.08% fraction of total heat input from gas. Gas firing is limited by NSPS Subpart Db to less than 10% of total boiler heat input capacity.

Emission Source/Control: B0600 - Combustion
Design Capacity: 180 million Btu per hour

Emission Source/Control: B06EP - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: B06FG - Control
Control Type: FLUE GAS RECIRCULATION

Emission Source/Control: B06OF - Control
Control Type: OVERFIRE AIR

Emission Source/Control: B06SN - Control
Control Type: SELECTIVE NON-CATALYTIC REDUCTION (SNCR)

Condition 98: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable State Requirement:6NYCRR 201-5.3(b)

Item 98.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

Item 98.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The wood which fuels Green Fuel Boiler #6 consists of unadulterated wood such as green whole tree chips, shredded pallets, or saw mill refuse. These products shall be supplied to the site as wood chips that are in a condition suitable for firing in the boiler. On-site wood chipping shall not be conducted.

No later than 30 days before startup of the boiler, a Wood Chip Quality Plan shall be submitted for approval to the Department, Attn: RAPCE, at the Region 4 address listed elsewhere in this permit. The Plan shall address and indicate the suitability of the wood for firing in the boiler and record keeping requirements to be implemented.

Suitability of the wood for firing in the boiler shall include, but not be limited to, the physical appearance and properties which the wood shall have, an evaluation of the screening and/or sampling measures necessary to insure that only unadulterated wood is delivered to the facility, procedures for determining the presence of chemicals (e.g. arsenic, chromium, copper, lead and cadmium) which would exclude the wood from being unadulterated wood, and a list of the wood suppliers and the requirements that each must meet.

A hard copy of the approved Plan shall be available for inspection at all times at the facility.

Ongoing compliance with this condition shall be demonstrated by implementing the approved Plan.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due every 6 calendar month(s).

Condition 99: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable State Requirement:6NYCRR 211.2

Item 99.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 99.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The wood which fuels Green Fuel Boiler #6 consists of unadulterated wood such as green whole tree chips, shredded pallets, or saw mill refuse. These products will be supplied to the site as wood chips that are in a condition suitable for firing in the boiler. On-site wood chipping will not be conducted.

Before startup of the boiler, a Fugitive Dust Plan shall be prepared and submitted for approval to the Department, Attn: RAPCE, at the Region 4 address listed elsewhere in this permit. The Plan shall indicate dust suppression measures and record keeping requirements to be implemented.

Dust suppression measures shall include, but not be limited to, normal actions to be taken and actions under malfunctioning equipment conditions to be taken with respect to arrival of the wood at the site, off-loading of the wood, and storage of the wood from initial storage until firing in the boiler.

A hard copy of the approved Plan shall be available for inspection at all times at the facility.

Ongoing compliance with this condition shall be demonstrated by implementing the approved Plan.

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

Condition 100: Compliance Demonstration
Effective between the dates of 07/01/2008 and Permit Expiration Date

Applicable State Requirement:6NYCRR 211.2

Item 100.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: A-SFB06

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

Item 100.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The facility shall act to resolve each odor or other complaint within 2 business days of receipt of the complaint.

The facility shall maintain a log of all odor and other complaints received in connection with operation of the wood fired Boiler #6. For each complaint, the log shall indicate date of occurrence, the cause(s) and circumstances related to the event, the corrective action(s) necessary, and the date of resolution. The log shall be made available to the department upon request.

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