



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 8-4642-00108/00001
Mod 0 Effective Date: 03/14/2002 Expiration Date: No expiration date.
Mod 1 Effective Date: 07/31/2003 Expiration Date: No expiration date.
Mod 2 Effective Date: 06/03/2008 Expiration Date: No expiration date.
Mod 3 Effective Date: 08/21/2008 Expiration Date: No expiration date.

Permit Issued To: CORNING INC
HP-ME-02-50
CORNING, NY 14831

Facility: CORNING DIESEL MANUFACTURING FACILITY
890 ADDISON RD (ST RTE 417)
PAINTED POST, NY 14870

Contact: JOSEPH F KANE
CORNING INC
HP ME 02-50
CORNING, NY 14831
(607) 974-6568

Description:
Third modification (Mod 3) of the Air State Facility Permit issued March 14, 2002, to authorize construction of a new 403,000 square foot manufacturing plant for the production of ceramic filters and substrates for diesel engine emission control devices. Due to potential emissions of Particulates and NOx in excess of 100 tons per year each, and VOC in excess of 50 tons per year, the facility is subject 6 NYCRR Part 201-6 Title V Facility Permits, Part 231 New Source Review (NSR) in Ozone Transport Regions, and 40CFR63 Subpart B maximum achievable control technology (MACT) requirements.

Emission Units (EU) include:

- U-00001, venting rail car and truck unloading and transfer operations, batch silo storage and screening operations, a dry batch mix area, liquid batch unloading, a wet tower mix area, a plugging area, and cutting operations;
- U-00002, venting volatile organic liquid storage tanks;
- U-00003, venting extruded ceramic drying operations;
- U-00004, venting four periodic kilns and two tunnel kilns associated with the firing of extruded ceramic ware;



U-00005, venting roof top units, unit heaters, and emergency generators; and

U-00006, venting two additional tunnel kilns firing extruded ceramic ware, a second extruder with dust and oil mist emission controls, a wet tower powderizer bin, saws, and three log dryers.

Mod 1 of the original Air State Facility Permit, issued July 31, 2003, authorized the addition of oil mist eliminator control equipment to reduce particulate emissions of condensed VOC (oil mist) from U-00003 extruded ceramic dryers. Mod 1 was a minor modification, with no increase in facility emissions of NOx, VOC, or Particulates authorized.

Mod 2 authorized a 66,000 square foot expansion, adding the new EU U-00006 described above, and also included permit conditions to restrict U-00006 VOC and NOx emissions to 39 tons per year each, below the 40 ton per year thresholds in Part 231-2.12.

Mod 3 authorizes the addition of four thermal oxidizers to control VOC emissions from U-00004 and U-00006 tunnel kilns, and additional cutting operations with dust collector emission control. Staff have determined that Mod 3 is a minor modification, with no increase in facility emissions of NOx, VOC, or Particulates over the levels authorized by Mod 2.

The initial Air State Facility Permit included Conditions to restrict facility emissions of:

NOx to 99 tons per year, below the 6NYCRR Part 231-2.2 threshold of 100 tons per year;

VOC to 122 tons per year, the level of emissions authorized by the emission offsets obtained for this facility pursuant to 6NYCRR Part 231-2.9; and

Particulates to 249 tons per year, below the 250 ton per year threshold for 40CFR 52.21, Subpart A Prevention of Significant Deterioration (PSD) for new facilities in compliance areas.

With Mod 2:

NOx emissions from existing EU U-00001 through U-00005 remained capped at 99 tons per year. NOx emissions from new EU U-00006 were capped at 39 tons per year, increasing facility potential to emit to 138 tons per year.

VOC emissions from existing EU U-00001 through U-00005 remained capped at 122 tons per year. VOC emissions from new EU U-00006 were capped at 39 tons per year, increasing facility potential to emit to 161 tons per year.

Particulate emissions remained capped at 249 tons per year.

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: DAVID L BIMBER
DIVISION OF ENVIRONMENTAL PERMITS
6274 EAST AVON LIMA RD
AVON, NY 14414-9519

Authorized Signature: _____ Date: ___ / ___ / ____





Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of Applications for Permit Modification or Renewal -REGION 8 HEADQUARTERS
- Submission of application for permit modification or renewal-REGION 8 HEADQUARTERS



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 2-1: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6NYCRR 621.11

Item 2-1.1:

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 2-1.2:

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 2-1.3:

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 1-1: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 1-1.1:

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 1-1.2:

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 1-1.3:

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 2-2: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6NYCRR 621.13

Item 2-2.1:

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.

Condition 3: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13(a)

Expired by Mod No: 1

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.

Condition 1-2: Permit Modifications, Suspensions and Revocations by the Department



Applicable State Requirement: 6NYCRR 621.14

Item 1-2.1:

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.

Condition 4: Permit Modifications, Suspensions, and Revocations by the Department

Applicable State Requirement: 6NYCRR 621.14

Expired by Mod No: 1

Item 4.1:

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for modification, suspension or revocation include:

- a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
- b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
- c) new material information is discovered; or
- d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.

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

Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 8 HEADQUARTERS

Applicable State Requirement: 6NYCRR 621.5(a)

Item 5.1:

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

NYSDEC Regional Permit Administrator
Region 8 Headquarters
Division of Environmental Permits
6274 Avon-Lima Road
Avon, NY 14414-9519
(716) 226-2466

Condition 2-3: Submission of application for permit modification or renewal-REGION 8



HEADQUARTERS

Applicable State Requirement:

6NYCRR 621.6(a)

Item 2-3.1:

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

NYSDEC Regional Permit Administrator

Region 8 Headquarters

Division of Environmental Permits

6274 Avon-Lima Road

Avon, NY 14414-9519

(716) 226-2466



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: CORNING INC
HP-ME-02-50
CORNING, NY 14831

Facility: CORNING DIESEL MANUFACTURING FACILITY
890 ADDISON RD (ST RTE 417)
PAINTED POST, NY 14870

Authorized Activity By Standard Industrial Classification Code:
3299 - NONMETALLIC MINERAL PRODUCTS

Mod 0 Permit Effective Date: 03/14/2002 Permit Expiration Date: No expiration date.

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 - Permit Modifications, Suspensions, and Revocations by the Department

Facility Level

- Submission of Applications for Permit Modification or Renewal -REGION 8 HEADQUARTERS
- Submission of application for permit modification or renewal-REGION 8 HEADQUARTERS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 2-1 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 2-2 6NYCRR 201-7: Facility Permissible Emissions
- *2-3 6NYCRR 201-7: Capping Monitoring Condition
- *2-4 6NYCRR 201-7: Capping Monitoring Condition
- *2-5 6NYCRR 201-7: Capping Monitoring Condition
- 2-6 6NYCRR 212.10: Compliance Demonstration
 - 1-1 6NYCRR 225-1.2(a)(2): Compliance Demonstration
 - 15 6NYCRR 226.2: General requirements
 - 16 6NYCRR 226.3(a): Equipment Specifications - Cold cleaning degreasing
 - 17 6NYCRR 226.4(a): Operating requirements - cold cleaning degreasing
 - 20 6NYCRR 231-2.4: Notification/Reporting requirements
- 2-7 6NYCRR 231-2.9: Compliance Demonstration

Emission Unit Level

EU=U-00001

- 1-2 6NYCRR 212.4(c): Compliance Demonstration
- 1-3 6NYCRR 212.4(c): Compliance Demonstration

EU=U-00001,EP=E0001

- 1-4 6NYCRR 212.4(c): Compliance Demonstration
- 1-5 6NYCRR 212.6(a): Compliance Demonstration

EU=U-00001,EP=E0002

- 1-6 6NYCRR 212.4(c): Compliance Demonstration
- 1-7 6NYCRR 212.6(a): Compliance Demonstration

EU=U-00001,EP=E0003



1-24 6NYCRR 212.6(a): Compliance Demonstration

EU=U-00003,EP=E0016

1-25 6NYCRR 212.6(a): Compliance Demonstration

EU=U-00003,EP=E0017

1-26 6NYCRR 212.6(a): Compliance Demonstration

EU=U-00003,EP=E0018

1-27 6NYCRR 212.6(a): Compliance Demonstration

EU=U-00004

1-28 6NYCRR 231-2.5: Compliance Demonstration

1-29 40CFR 63.43(c), Subpart B: Compliance Demonstration

1-30 40CFR 63.43(c), Subpart B: Compliance Demonstration

57 40CFR 63.43(d), Subpart B: Principles of Case-By-Case MACT
Determinations

58 40CFR 63.43(g)(2)(iv), Subpart B: Case-By-Case MACT General
Provisions Applicability (No Opacity Standard or Flares)

59 40CFR 63.43(k), Subpart B: Case-By-Case MACT Compliance Date

60 40CFR 63.43(l), Subpart B: Compliance With Case-By-Case MACT
Determination

61 40CFR 63.44, Subpart B: Requirements for constructed or
reconstructed major sources subject to a subsequently promulgated MACT
standard or MACT requirement

EU=U-00004,Proc=P05

1-31 40CFR 63.43(c), Subpart B: Compliance Demonstration

1-32 40CFR 63.43(c), Subpart B: Compliance Demonstration

1-33 40CFR 63.43(c), Subpart B: Compliance Demonstration

EU=U-00004,EP=E0019

1-34 6NYCRR 212.4(c): Compliance Demonstration

1-35 6NYCRR 212.6(a): Compliance Demonstration

EU=U-00004,EP=E0020

1-36 6NYCRR 212.4(c): Compliance Demonstration

1-37 6NYCRR 212.6(a): Compliance Demonstration

EU=U-00004,EP=E0021

1-38 6NYCRR 212.4(c): Compliance Demonstration

1-39 6NYCRR 212.6(a): Compliance Demonstration

EU=U-00004,EP=E0022

1-40 6NYCRR 212.4(c): Compliance Demonstration



1-41 6NYCRR 212.6(a): Compliance Demonstration

EU=U-00004,EP=E023A

1-42 6NYCRR 212.4(c): Compliance Demonstration

1-43 6NYCRR 212.6(a): Compliance Demonstration

EU=U-00004,EP=E023B

1-44 6NYCRR 212.4(c): Compliance Demonstration

1-45 6NYCRR 212.6(a): Compliance Demonstration

EU=U-00004,EP=E024A

1-46 6NYCRR 212.4(c): Compliance Demonstration

1-47 6NYCRR 212.6(a): Compliance Demonstration

EU=U-00004,EP=E024B

1-48 6NYCRR 212.4(c): Compliance Demonstration

1-49 6NYCRR 212.6(a): Compliance Demonstration

EU=U-00005

1-50 6NYCRR 227-1.3(a): Compliance Demonstration

82 6NYCRR 231-2.5: Compliance Demonstration

EU=U-00006

2-8 6NYCRR 212.4(c): Compliance Demonstration

2-9 6NYCRR 212.4(c): Compliance Demonstration

2-10 6NYCRR 212.6(a): Compliance Demonstration

2-11 6NYCRR 212.6(a): Compliance Demonstration

2-12 6NYCRR 227-1.3(a): Compliance Demonstration

EU=U-00006,Proc=P09

2-13 6NYCRR 212.10(c)(4)(i): Compliance Demonstration

EU=U-00006,EP=E0603

2-14 6NYCRR 212.10(f): RACT

EU=U-00006,EP=E0604

2-15 6NYCRR 212.10(f): RACT

EU=U-00006,EP=E0605

2-16 6NYCRR 212.10(f): RACT

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

1-51 ECL 19-0301: Contaminant List

83 6NYCRR 201-1.4: Unavoidable noncompliance and violations

86 6NYCRR 201-5: Emission Unit Definition



88 6NYCRR 211.2: Air pollution prohibited

Emission Unit Level

89 6NYCRR 201-5: Emission Point Definition By Emission Unit

90 6NYCRR 201-5: Process Definition By Emission Unit

EU=U-00003

1-52 6NYCRR 212.4(a): Emissions from new emission sources and/or modifications

EU=U-00004

91 6NYCRR 212.4(a): Emissions from new emission sources and/or modifications

EU=U-00006

2-17 6NYCRR 212.4(a): Emissions from new emission sources and/or modifications

2-18 6NYCRR 212.4(a): 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 2-1: Recycling and Emissions Reduction
Effective between the dates of 06/03/2008 and Permit Expiration Date

Applicable Federal Requirement:40CFR 82, Subpart F

Item 2-1.1:

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

Condition 2-2: Facility Permissible Emissions
Effective between the dates of 06/03/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7

Item 3-2.1:

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 0NY075-00-0 (From Mod 3)	PTE: 498,000 pounds per year
Name: PARTICULATES	
CAS No: 0NY210-00-0 (From Mod 3)	PTE: 276,000 pounds per year
Name: OXIDES OF NITROGEN	
CAS No: 0NY998-00-0 (From Mod 3)	PTE: 322,000 pounds per year
Name: VOC	

Condition 2-3: Capping Monitoring Condition
Effective between the dates of 06/03/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7

Item 2-3.1:

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

Item 2-3.2:

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

Item 2-3.3:

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 2-3.4:

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 2-3.5:

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 2-3.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 2-3.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to cap out of the requirements of 6NYCRR Part 231-2.2 and in acknowledgement of the emission offsets previously obtained under 6NYCRR Part 231-2.9, the facility shall limit the VOC emissions from Emission Units U-00001 to U-00005 to less than 122 tons per year and the VOC emissions from Emission Unit U-00006 to less than 39 tons per year, on a rolling twelve month basis.

To demonstrate compliance with the above emission limit, the facility shall maintain monthly records on the rolling twelve month VOC emissions from Emission Units U-00001 to U-00005, and Emission Unit U-00006. VOC emissions shall be calculated using material balance based on production records and emission factors. Emission factors and assumptions used in the calculation are subject to Department approval. Records shall be kept on site for five years and made available to the Department upon request.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



The initial report is due 7/30/2008.

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

Condition 2-4: Capping Monitoring Condition
Effective between the dates of 06/03/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7

Item 2-4.1:

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

Item 2-4.2:

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

Item 2-4.3:

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 2-4.4:

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 2-4.5:

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 2-4.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 2-4.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to cap out of the requirements of 6NYCRR Part 231-2.2, the facility shall limit the NOx emissions from Emission Units U-00001 to U-00005 to less than 99 tons per year on a rolling twelve month basis, and the emissions



from Emission Unit U-00006 to less than 39 tons per year on a rolling twelve month basis.

To demonstrate compliance with the above emission limit, the facility shall maintain monthly records on rolling twelve month NOx emissions from Emission Units U-00001 to U-00005, and Emission Unit U-00006. NOx emissions shall be calculated based on fuel usage records and emission factors. Emission factors and assumptions used in the calculation are subject to Department approval. Records shall be kept on site for five years and made available to the Department upon request.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2008.

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

Condition 2-5: Capping Monitoring Condition
Effective between the dates of 06/03/2008 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7

Item 2-5.1:

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:

40CFR 52-A.21

Item 2-5.2:

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

Item 2-5.3:

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 2-5.4:

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 2-5.5:

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 2-5.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 2-5.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to cap out of the requirements of 40CFR52-A.21, the facility shall limit the facility-wide particulate matter (PM) emissions to less than 249 tons per year on a rolling twelve month basis.

To demonstrate compliance with the above emission limit, the facility shall maintain monthly records on facility-wide rolling twelve month PM emissions. PM emissions shall be calculated using material balance based on production records and emission factors. Emission factors and assumptions used in the calculation are subject to Department approval. Records shall be kept on site for five years and made available to the Department upon request.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2008.

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

Condition 2-6: Compliance Demonstration

Effective between the dates of 06/03/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.10

Item 2-6.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 2-6.2:



Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission sources S0019, S0020, S0021, S0022, S0023, S0024, S0620, S0621 are subject to the Part 212.10 NO_x Reasonably Available Control Technology (RACT) requirements. Corning shall submit a NO_x RACT analysis for these source for Department's review and approval by no later than January 30, 2008. Construction of the new sources S0620 and S0621 shall not be initiated prior to the Department's approval of the NO_x RACT analysis.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-1: Compliance Demonstration
Effective between the dates of 07/31/2003 and Permit Expiration Date

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

Item 1-1.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-1.2:

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 distillate oil fuel which contains sulfur in a quantity exceeding the following limitation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.5 percent by weight

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2004.

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

Condition 15: General requirements
Effective between the dates of 03/14/2002 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 226.2



Item 20.1:

At least sixty (60) days prior to the scheduled commence operation date of the proposed source project or proposed major facility, the permittee shall submit any changes to the list of offset sources included in this permit. For each such change, the applicant must submit another "Use of Emission Reduction Credits Form" signed by the applicant and an authorized representative of the new offset source.

Item 20. 2:

The facility shall submit to the DEC Regional office a letter of confirmation that each future emission reduction, if any, used to provide emission offsets for this facility has physically occurred. This letter should be submitted, not less than 10 working days, prior to the facility's scheduled start-up date.

Item 20.3:

This permit shall be subject to revocation if construction is not commenced within 18 months from the date of issuance of such permit or if construction is discontinued for a period of 18 months or more (excluding any period of time that the permit is subject to challenge in State or Federal court), or if construction is not completed within a reasonable time acceptable to the Department.

Condition 2-7: Compliance Demonstration
Effective between the dates of 06/03/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 231-2.9

Item 2-7.1:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 2-7.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to comply with the emission offset requirements of 6NYCRR Part 231-2.9, the facility has obtained 140 tpy of VOC Emission Reduction Credits (ERC) from LTV Steel Company, Inc. - Pittsburgh Works, Pittsburgh, Pennsylvania. The 140 tpy ERC is based on the facility-wide VOC emissions of 122 tpy at the time of the Air State Facility Mod 0 Permit issuance and the offset ratio of 1:1.15.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**** Emission Unit Level ****

Condition 1-2: Compliance Demonstration



Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 1-2.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-2.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall operate and maintain all particulate control devices consistent with good engineering practice, and in accordance with the manufacturer's recommendations to ensure compliance with the Part 212 particulate emission standards. The facility shall also maintain monthly records of maintenance performed on all particulate control equipment.

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 1/30/2004.

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

Condition 1-3: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 1-3.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-3.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to demonstrate compliance with the particulates grain loading standard of 6NYCRR Part 212.4(c) for Emission Sources S0002, S0003, S0005, S0006, S0007, the



facility shall perform stack tests within 60 days after the startup of these sources. The facility shall submit a stack test protocol to the Department for approval at least 60 days prior to the test. Within 60 days after the completion of the stack tests, the facility shall provide the Department with the stack test report and the monitoring parameters for the control equipment associated with these emission sources (C0002, C003A, C003B, C0005, C0006, C0007). Upon review and approval by the Department, the monitoring parameters for the control equipment will be included in the facility's Title V operating permit. The Department may grant an extension of the above timeframe if a request, in writing, is received and approved by the Department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.05 grains per standard cubic foot

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2004.

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

Condition 1-4: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 1-4.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: E0001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-4.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

If this condition appears in a Title V permit, and the Department has not otherwise directed the permittee to



conduct a stack test, compliance with the 0.050 grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible emissions are present following the guidelines in EPA Method 22. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made semiannually while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. The semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations as well as instances in which visible emissions were observed or in which observations could not be made due to weather conditions.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-5: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.6(a)

Item 1-5.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: E0001

Item 1-5.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate



any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

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

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.

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 1/30/2004.

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

Condition 1-6: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 1-6.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: E0002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES



Item 1-6.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

If this condition appears in a Title V permit, and the Department has not otherwise directed the permittee to conduct a stack test, compliance with the 0.050 grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible emissions are present following the guidelines in EPA Method 22. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made semiannually while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. The semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations as well as instances in which visible emissions were observed or in which observations could not be made due to weather conditions.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-7: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 1-7.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: E0002

Item 1-7.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

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

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.

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 1/30/2004.

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



Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.6(a)

Item 1-9.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: E0003

Item 1-9.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

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

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.



The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.

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 1/30/2004.

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

Condition 1-10: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 1-10.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: E0004

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-10.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

If this condition appears in a Title V permit, and the Department has not otherwise directed the permittee to conduct a stack test, compliance with the 0.050 grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible emissions are present following the guidelines in EPA Method 22. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made semiannually while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. The semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations as well as instances in which visible



emissions were observed or in which observations could not be made due to weather conditions.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.050 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-11: Compliance Demonstration
Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 1-11.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: E0004

Item 1-11.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.



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

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.

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 1/30/2004.

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

Condition 1-12: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 1-12.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: E0005

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-12.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

If this condition appears in a Title V permit, and the Department has not otherwise directed the permittee to conduct a stack test, compliance with the 0.050



grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible emissions are present following the guidelines in EPA Method 22. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made semiannually while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. The semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations as well as instances in which visible emissions were observed or in which observations could not be made due to weather conditions.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-13: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 1-13.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: E0005

Item 1-13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible



emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

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

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.

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 1/30/2004.

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

Condition 1-14: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 1-14.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: E0006

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-14.2:



Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

If this condition appears in a Title V permit, and the Department has not otherwise directed the permittee to conduct a stack test, compliance with the 0.050 grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible emissions are present following the guidelines in EPA Method 22. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made semiannually while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. The semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations as well as instances in which visible emissions were observed or in which observations could not be made due to weather conditions.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-15: Compliance Demonstration
Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 1-15.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: E0006

Item 1-15.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

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

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.

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 1/30/2004.

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

Condition 1-16: Compliance Demonstration



Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 1-17.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: E0007

Item 1-17.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

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

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance



certifications required of all permittees subject to Title V must include a summary of these observations.

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 1/30/2004.

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

Condition 1-18: Compliance Demonstration
Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 1-18.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: E0008

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-18.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

If this condition appears in a Title V permit, and the Department has not otherwise directed the permittee to conduct a stack test, compliance with the 0.050 grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible emissions are present following the guidelines in EPA Method 22. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made semiannually while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. The semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations as well as instances in which visible emissions were observed or in which observations could not



be made due to weather conditions.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-19: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.6(a)

Item 1-19.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: E0008

Item 1-19.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.



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

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.

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 1/30/2004.

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

Condition 3-1: Compliance Demonstration
Effective between the dates of 08/21/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 3-1.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: E0018

Item 3-1.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. The Department reserves the right to perform or require the performance of a Method 5 emissions evaluation at any time.

The permittee will conduct compliance verifications at the monitoring frequency stated below. These verifications include review of pertinent information relating to particulate emissions of the source, including but not limited to production rate, process material, air flow



rate, control equipment parameters, visible emissions, etc. The permittee will confirm that during source operation all pertinent parameters (whether used to directly calculate particulate emission rate, or as surrogates) are within ranges that ensure compliance with the particulate emission rate.

Additionally, the permittee will investigate, in a timely manner, any instance where there is cause to believe that particulate emissions above 0.050 gr/dscf are occurring or have occurred. These instances include but are not limited to process upsets, control device malfunctions or problems, abnormal visible emissions, complaints, etc. The permittee shall determine the cause of any exceedance, make the necessary correction, and verify that the excess emissions problem has been corrected.

Records of these verifications, investigations and corrective actions will be kept on-site.

Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.050 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: SEMI-ANNUALLY
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 3-2: Compliance Demonstration
Effective between the dates of 08/21/2008 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 3-2.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: E0018

Item 3-2.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20



percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

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

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

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the Department and the semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these instances.

Reference Test Method: Method 9
Monitoring Frequency: SEMI-ANNUALLY
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 44: Compliance Demonstration
Effective between the dates of 03/14/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 229.3(e)(2)(v)

Item 44.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002



Item 44.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Storage tanks subject to this requirement, with a capacity of less than 10,000 gallons must be equipped with a conservation vent. The permittee shall visually inspect the conservation vent on an annual basis to ensure proper operation. Inspection records must be maintained on site for a period of 5 years. Records shall contain the date(s) of all inspections, inspection findings and a listing of all equipment repairs or replacements.

Monitoring Frequency: ANNUALLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 45: RACT

Effective between the dates of 03/14/2002 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.10(f)

Item 45.1:

This Condition applies to Emission Unit: U-00003

Item 45.2:

Owners and/or operators of emission points located at facilities described in subdivision 212.10(a) which commence construction after August 15, 1994 must submit a RACT demonstration for nitrogen oxides and volatile organic compound emissions with each application for a permit to construct. Reasonably available control technology must be implemented on these emission points when operation commences. A RACT analysis is not required for new emission points with nitrogen oxide and volatile organic compound emission rate potentials less than 3.0 pounds per hour and actual emissions in the absence of control equipment less than 15.0 pounds per day at facilities located outside of the Lower Orange County and New York City metropolitan areas

Condition 1-20: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 231-2.5

Item 1-20.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 1-20.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:



In order to comply with the 6NYCRR Part 231-2.5 LAER requirement, VOC emissions from the primary and secondary dryers (Emission Sources S0012, S0013, S0014, S0015, S0016, S0017) shall be limited as follows:

1. VOC emissions shall not exceed 0.0004lbs VOC/ lbs Ceramic Ware for each primary and secondary dryer.
2. Total VOC emissions from the primary and secondary dryers shall not exceed 5.6 lbs/hr.
3. An hourly VOC emission limit for each dryer will be established within 120 days after the startup of the sources based on stack tests for the dryers.

The facility shall perform stack tests for the primary and secondary dryers within 60 days after the startup of the sources. The facility shall submit a stack test protocol to the Department for approval at least 60 days prior to the test. Stack test reports shall be submitted to the Department within 60 days of the completion of the tests. The Department may grant an extension of this timeframe if a request, in writing, is received and approved by the Department.

The Department may require a permit modification to revise the LAER emission limits based on the stack test results. LAER limits will be verified subsequent to required testing.

Upper Permit Limit: 0.0004 pounds of VOC per pound of solids

Reference Test Method: 40CFR60 Methods

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2004.

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

Condition 1-21: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.6(a)

Item 1-21.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Emission Point: E0012

Item 1-21.2:



Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

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

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.

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 1/30/2004.

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

Condition 1-22: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.6(a)

Item 1-22.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Emission Point: E0013

Item 1-22.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

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

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in



violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.

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 1/30/2004.

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

Condition 1-23: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.6(a)

Item 1-23.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Emission Point: E0014

Item 1-23.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

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



necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

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

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.

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 1/30/2004.

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

Condition 1-24: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.6(a)

Item 1-24.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Emission Point: E0015

Item 1-24.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.



The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

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

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.

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 1/30/2004.

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

Condition 1-25: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.6(a)

Item 1-25.1:

The Compliance Demonstration activity will be performed for:



Emission Unit: U-00003

Emission Point: E0016

Item 1-25.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

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

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.

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 1/30/2004.
Subsequent reports are due every 6 calendar month(s).

Condition 1-26: Compliance Demonstration
Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.6(a)

Item 1-26.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Emission Point: E0017

Item 1-26.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

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



If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.

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 1/30/2004.

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

Condition 1-27: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 1-27.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Emission Point: E0018

Item 1-27.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in



compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

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

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.

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 1/30/2004.

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

Condition 1-28: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 231-2.5

Item 1-28.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 1-28.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to comply with the 6NYCRR Part 231-2.5 LAER



requirements, VOC emissions from the ceramic kilns (Emission Sources S0019, S0020, S0021, S0022, S0023, S0024, S0025, S0026) shall be limited as follows:

1. VOC emissions shall be controlled from each kiln through a combination of kiln burners and the use of a thermal oxidizer during the burnout period of each firing cycle. The burnout period refers to an early period of a firing cycle during which VOC is released from the ceramic wares. The burnout period of each firing cycle shall be determined using existing stack test data, engineering analysis, and new stack test data if necessary.

2. VOC emissions from the ceramic kilns shall not exceed 1.3 lbs VOC / ton ceramic ware, or the overall VOC removal efficiency of the combination of the kiln burners and the thermal oxidizer shall be 99% or greater, whichever is more stringent.

3. The overall VOC removal efficiency of the combination of the kiln burners and the thermal oxidizer is calculated as follows:

Overall VOC Removal Efficiency = (Available VOC into Kiln - Total VOC Emissions) / Available VOC into Kiln

Available VOC into Kiln = the total mass of ceramic fired x % weight VOC of ceramic fired - VOC released by dryer

Total VOC Emissions = total outlet VOC emissions including both the controlled period and the post controlled period

4. An hourly VOC emission limit for each kiln will be established within 120 days after the startup of the sources based on stack tests.

The facility shall perform stack tests for the ceramic kilns and the associated thermal oxidizers within 60 days after the startup of the sources. The facility shall submit a stack test protocol to the Department for approval at least 60 days prior to the test. Within 60 days of the completion of the tests, the facility shall provide the Department with the information on the hourly VOC emission rate, overall VOC removal efficiency, the operating temperature of the thermal oxidizer and the burnout period of each firing cycle. Upon review and approval by the Department, an hourly VOC emission limit and oxidizer operating temperature and the control period (commensurate with the burnout period) for each firing cycle will be included in the facility's Title V operating



permit. The Department may grant an extension of the above-mentioned timeframe if a request, in writing, is received and approved by the Department.

The Department may require a permit modification to revise the LAER emission limits based on the stack test results. LAER limits will be verified subsequent to required testing.

Upper Permit Limit: 1.3 pounds per ton
Reference Test Method: 40CFR60 Methods
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2004.
Subsequent reports are due every 6 calendar month(s).

Condition 1-29: Compliance Demonstration
Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.43(c), Subpart B

Item 1-29.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

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

Item 1-29.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The facility shall operate and maintain the dry HF scrubber and wet HF scrubber/POC units consistent with good engineering practice, and in accordance with manufacturer's recommendations. The level of scrubbing media (limestone) in the dry HF scrubber must be increased immediately should the low level alarm be triggered. The facility shall keep records of all equipment maintenance on a monthly basis.

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 1/30/2004.

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

Condition 1-30: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.43(c), Subpart B

Item 1-30.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 1-30.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to comply with the 40CFR63-B.43(c) MACT requirements, hydrogen fluoride(HF) emissions from Periodic Kiln No. 4(Emission Source S0022) shall be limited as follows:

1. HF emissions from the ceramic kiln shall be controlled by using the wet HF scrubber/POC unit (Emission Source C022B) during the peak HF emitting period of each kiln cycle during which high fluorine containing raw materials are fired. The overall removal efficiency of the scrubber shall be 90% or greater. Peak HF emitting period of each kiln cycle shall be determined through stack tests. High fluorine containing raw materials fired in Periodic Kiln No. 4 are those which contain fluorine greater than 0.00006 lbs fluorine/ lb. ceramic.
2. HF emissions from the ceramic kiln shall not exceed 0.12 lbs/ton ceramic ware.
3. An hourly HF emission limit will be established within 120 days after the startup of the sources based on a stack test for the scrubber.

The facility shall perform stack tests for the wet HF scrubber/POC unit within 60 days after the startup of the sources. The facility shall submit a stack test protocol to the Department for approval at least 60 days prior to the test. Within 60 days of the completion of the tests, the facility shall provide the Department with the information on the hourly HF emission rate, the overall HF



removal efficiency, the peak HF emitting period for each kiln cycle, and the monitoring parameters for the scrubber. Upon review and approval by the Department, the hourly HF emission limit, the scrubber monitoring parameters, and the control period (commensurate with the peak HF emitting period) during each firing cycle will be included in the facility's Title V Operating Permit. The Department may grant an extension of the above-mentioned timeframe if a request, in writing, is received and approved by the Department.

The Department may require a permit modification to revise the MACT emission limits based on the stack test results. MACT limits will be verified subsequent to required testing.

Upper Permit Limit: 0.12 pounds per ton
Reference Test Method: 40CFR60 Methods
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2004.
Subsequent reports are due every 6 calendar month(s).

Condition 57: Principles of Case-By-Case MACT Determinations
Effective between the dates of 03/14/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.43(d), Subpart B

Item 57.1:

This Condition applies to Emission Unit: U-00004

Item 57.2:

The following general principles shall govern preparation by the owner or operator of each permit application or other application requiring a case-by-case MACT determination concerning construction or reconstruction of a major source, and all subsequent review of and actions taken concerning such an application by the permitting authority:

(1) The MACT emission limitation or MACT requirements recommended by the applicant and approved by the permitting authority shall not be less stringent than the emission control which is achieved in practice by the best controlled similar source, as determined by the permitting authority.

(2) Based upon available information, as defined in this 40CFR63 subpart B, the MACT emission



limitation and control technology (including any requirements under paragraph 40CFR63.43(d)(3)) recommended by the applicant and approved by the permitting authority shall achieve the maximum degree of reduction in emissions of HAP which can be achieved by utilizing those control technologies that can be identified from the available information, taking into consideration the costs of achieving such emission reduction and any non-air quality health and environmental impacts and energy requirements associated with the emission reduction.

(3) The applicant may recommend a specific design, equipment, work practice, or operational standard, or a combination thereof, and the permitting authority may approve such a standard if the permitting authority specifically determines that it is not feasible to prescribe or enforce an emission limitation under the criteria set forth in section 112(h)(2) of the Act.

(4) If the USEPA Administrator has either proposed a relevant emission standard pursuant to section 112(d) or section 112(h) of the Act or adopted a presumptive MACT determination for the source category which includes the constructed or reconstructed major source, then the MACT requirements applied to the constructed or reconstructed major source shall have considered those MACT emission limitations and requirements of the proposed standard or presumptive MACT determination.

**Condition 58: Case-By-Case MACT General Provisions Applicability (No Opacity Standard or Flares)
Effective between the dates of 03/14/2002 and Permit Expiration Date**

Applicable Federal Requirement:40CFR 63.43(g)(2)(iv), Subpart B

Item 58.1:

This Condition applies to Emission Unit: U-00004

Item 58.2:

Owners or operators of affected sources subject to 40CFR63 Subpart B must also comply with the requirements of 40 CFR 63 Subpart A, the General Provisions for the NESHAP for Source Categories regulations. The General Provisions contain requirements for performance testing, monitoring, notification, recordkeeping, reporting, and control devices that may apply to the source. The General Provisions may be overridden or supplemented by the individual NESHAP standard. Some portions only apply under certain conditions. For example the continuous opacity monitoring system (COMS) reporting and recordkeeping provisions of Subpart A only apply if the standard contains a requirement to install and operate a COMS. The following is a summary of which sections and paragraphs of Subpart A apply to this source (i.e., the emission unit, emission point, or process, as indicated).

In Section 63.1, Applicability: Paragraphs 63.1(a) - General, 63.1(b) - Initial applicability determinations for this part, 63.1(c) - Applicability of this part after a relevant standard has been set under this part, and 63.1(e) - Applicability of permit program before a relevant standard has been set under this part, all apply. 63.44 provides additional detail for procedures and applicability when a standard is promulgated after a case by case MACT determination.

Section 63.2, Definitions applies. There are additional definitions in 63.41.

Section 63.3, Units and Abbreviations applies.

In Section 63.4, Prohibited Activities and Circumvention: Paragraphs 63.4(a) - Prohibited activities, 63.4(b) - Circumvention, and 63.4(c) - Severability all apply.



In Section 63.5, Construction and Reconstruction: 63.5(a) - Applicability, 63.5(b) - Requirements for existing, newly constructed, and reconstructed sources, 63.5(d) - Application for approval of construction or reconstruction, 63.5(e) - Approval of construction or reconstruction, and 63.5(f) - Approval of construction or reconstruction based on prior State preconstruction review all apply. §63.44 provides additional detail for procedures and applicability when a standard is promulgated after a case by case MACT determination.

In Section 63.6, Compliance With Standards and Maintenance Requirements: 63.6(a) - Applicability, 63.6(b), Compliance dates for new and reconstructed sources, 63.6(c) - Compliance dates for existing sources, 63.6(e) - Operation and maintenance, 63.6(f) - Compliance with nonopacity emission standards, 63.6(g) - Use of an alternative nonopacity emission standard, 63.6(i) - Extension of compliance with emission standards, and 63.6(j) - Exemption from compliance with emission standards all apply. Paragraph 63.6(e) includes, but is not limited to, a requirement for a startup, shutdown, and malfunction plan by the compliance date. Although Paragraph (g) applies, the source is not currently using an alternative emission standard. Paragraph (h) does not apply since no opacity or visible emission standard is included in the case by case MACT determination.

In Section 63.7, Performance Testing Requirements: §63.7(a) - Applicability and performance test dates, 63.7(b) - Notification of performance test, 63.7(c) - Quality assurance program, 63.7(d) - Performance testing facilities, 63.7(e) - Conduct of performance tests, 63.7(f) - Use of an alternative test method, 63.7(g) - Data analysis, recordkeeping, and reporting, and §63.7(h) - Waiver of performance tests all apply. Paragraph (a) includes but is not limited to a requirement for the source to conduct a performance test within 180 days after compliance date. Paragraph (b) includes but is not limited to a requirement for a notification to be submitted at least 60 calendar days before the performance test is scheduled to begin. Paragraph (c) includes, but is not limited to, a requirement for a site-specific test plan of which the Department may request submittal and approval. It also requires the performance of test method audits.

In Section 63.8, Monitoring Requirements: Paragraphs 63.8(a) - Applicability, 63.8(b) - Conduct of monitoring, 63.8(c) - Operation and maintenance of continuous monitoring systems, 63.8(d) - Quality control program, 63.8(e) - Performance evaluation of continuous monitoring systems, 63.8(f) - Use of an alternative monitoring, and 63.8(g) - Reduction of monitoring data all apply. Paragraph (e) includes, but is not limited to, a requirement to report results of Continuous Monitoring System performance evaluation within 60 days of completion.

In Section 63.9, Notification Requirements: Paragraphs 63.9(a) - Applicability and general information, 63.9(c) - Request for extension of compliance, 63.9(d) - Notification that source is subject to special compliance requirements, 63.9(e) - Notification of performance test, 63.9(g) - Additional notification requirements for sources with continuous monitoring systems, 63.9(h) - Notification of compliance status, 63.9(i) - Adjustment to time periods or postmark deadlines for submittal and review of required communications, and 63.9(j) - Change in information already provided all apply. Paragraph 63.9(b) - Initial notifications applies if and when the source becomes subject to an additional relevant standard besides Subpart B. Paragraph (e) requires that the notification must be submitted at least 60 calendar days before the performance test is scheduled to begin. Paragraph 63.9(f) - Notification of opacity and visible emission observations does not apply since no opacity or VE standards are included in the MACT determination. Paragraph (h) includes, but is not limited to, a requirement to send the notification before the close of business on the 60th day following the completion of the relevant compliance demonstration (such as the performance test).

In Section 63.10, Recordkeeping and Reporting Requirements: Paragraphs 63.10(a) - Applicability and general information, 63.10(b) - General recordkeeping requirements, 63.10(c) - Additional recordkeeping requirements for sources with continuous monitoring systems, 63.10(d) - General



reporting requirements, and 63.10(e) - Additional reporting requirements for sources with continuous monitoring systems all apply. Paragraph (d) includes, but is not limited to, requirements for reports of performance test results; periodic startup, shutdown, and malfunction reports (can be concurrent with Excess emissions and CMS performance reports in 63.10(e)); and immediate startup, shutdown, and malfunction reports. Paragraph (e) includes, but is not limited to requirements for reporting results of CMS performance evaluations; semiannual excess emissions and CMS performance reports and summary reports. The requirements in paragraph (e) relating to Continuous Opacity Monitoring System data do not apply. Paragraph (f) applies but no waiver has been granted.

Section 63.11, Control Device Requirements does not apply since flares are not used to comply with the case-by-case MACT standard.

§63.12, State Authority and Delegation applies but does not require any action by the source.

Sections 63.13, Addresses of State air pollution control agencies and EPA Regional Offices; 63.14, Incorporations by Reference, and 63.15, Availability of Information and Confidentiality apply to Subpart B affected sources without any alteration.

Condition 59: Case-By-Case MACT Compliance Date
Effective between the dates of 03/14/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.43(k), Subpart B

Item 59.1:

This Condition applies to Emission Unit: U-00004

Item 59.2:

On and after the date of start-up, a constructed or reconstructed major source which is subject to the requirements of 40 CFR 63 subpart B shall be in compliance with all applicable requirements specified in the case-by-case MACT determination.

Condition 60: Compliance With Case-By-Case MACT Determination
Effective between the dates of 03/14/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.43(l), Subpart B

Item 60.1:

This Condition applies to Emission Unit: U-00004

Item 60.2:

The permittee shall comply with all requirements in the final Notice of MACT Approval, the title V permit (in those instances where the owner or operator either is required or elects to obtain such a permit before construction or reconstruction), or any other final notice of approval issued pursuant to paragraph 40CFR63.43(c)(2)(ii), including but not limited to any MACT emission limitation or MACT work practice standard, and any notification, operation and maintenance, performance testing, monitoring, reporting, and recordkeeping requirements.

Item 60.3: The permittee shall be deemed to be in compliance with section 112(g)(2)(B) of the Act only to the extent that the constructed or reconstructed major source is in compliance with all requirements set forth in the final Notice of MACT Approval, the title V permit (in those instances where the owner or operator either is required or elects to obtain such a permit before construction or reconstruction), or any other final



notice of approval issued pursuant to paragraph 40CFR63.43(c)(2)(ii). Any violation of such requirements by the owner or operator shall be deemed by the NYSDEC and by USEPA to be a violation of the prohibition on construction or reconstruction in section 112(g)(2)(B) for whatever period the owner or operator is determined to be in violation of such requirements, and shall subject the owner or operator to appropriate enforcement action under the Act.

Condition 61: Requirements for constructed or reconstructed major sources subject to a subsequently promulgated MACT standard or MACT requirement
Effective between the dates of 03/14/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.44, Subpart B

Item 61.1:

This Condition applies to Emission Unit: U-00004

Item 61.2:

Pursuant to §40CFR63.44(b), if the USEPA Administrator promulgates an emission standard under section 112(d) or section 112(h) of the Clean Air Act or NYSDEC makes a determination under section 112(j) of the Act that is applicable to a stationary source or group of sources which was deemed to be a constructed or reconstructed major source under 40CFR63 Subpart B and has been subject to a prior case-by-case MACT determination pursuant to §63.43, and the owner and operator obtained a final and legally effective case-by-case MACT determination prior to the promulgation date of such emission standard, then the NYSDEC shall (if the initial title V permit has not yet been issued) issue an initial operating permit which incorporates the emission standard or determination, or shall (if the initial title V permit has been issued) revise the operating permit according to the reopening procedures in 40 CFR part 70 to incorporate the emission standard or determination.

The EPA may include in the emission standard established under section 112(d) or section 112(h) of the Act a specific compliance date for those sources which have obtained a final and legally effective MACT determination under this subpart and which have submitted the information required by §63.43 to the EPA before the close of the public comment period for the standard established under section 112(d) of the Act. Such date shall assure that the owner or operator shall comply with the promulgated standard as expeditiously as practicable, but not longer than 8 years after such standard is promulgated. In that event, the NYSDEC shall incorporate the applicable compliance date in the title V operating permit.

If no compliance date has been established in the promulgated 112(d) or 112(h) standard or section 112(j) determination, for those sources which have obtained a final and legally effective MACT determination under this subpart, then the NYSDEC shall establish a compliance date in the permit that assures that the owner or operator shall comply with the promulgated standard or determination as expeditiously as practicable, but not longer than 8 years after such standard is promulgated or a section 112(j) determination is made.

Item 61.3:

Pursuant to §40CFR63.44(c), notwithstanding the requirements of paragraphs 40CFR63.44(a) and (b), if the USEPA Administrator promulgates an emission standard under section 112(d) or section 112(h) of the Act or the NYSDEC issues a determination under section 112(j) of the Act that is applicable to a stationary source or group of sources which was deemed to be a constructed or reconstructed major source under 40CFR63 Subpart B and which is the subject of a prior case-by-case MACT determination pursuant to §63.43, and the level of control required by the emission standard issued under section 112(d) or section 112(h) or the determination issued under section 112(j) is less stringent than the level of control required by



any emission limitation or standard in the prior MACT determination, the NYSDEC is not required to incorporate any less stringent terms of the promulgated standard in the title V operating permit applicable to such source(s) and may in its discretion consider any more stringent provisions of the prior MACT determination to be applicable legal requirements when issuing or revising such an operating permit.

Condition 1-31: Compliance Demonstration
Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.43(c), Subpart B

Item 1-31.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Process: P05

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 1-31.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to comply with the 40CFR63-B.43(c) MACT requirements, hydrogen fluoride(HF) emissions from Tunnel Kiln No. 1 (Emission Source S0023) and Tunnel Kiln No. 2 (Emission Source S0024) shall be limited as follows:

1. HF emissions from the above-mentioned tunnel kilns shall be controlled by using the wet HF scrubber/POC units (Emission Sources C023B, C024B) when high fluorine containing raw materials are fired. The overall removal efficiency of the wet HF scrubber/POC units shall be 90% or greater. High fluorine containing raw materials fired in Tunnel Kiln No. 1 and No. 2 are those which contain fluorine greater than 0.00006 lbs fluorine/ lb. ceramic.

2. HF emissions from each ceramic kiln shall not exceed 0.12 lbs HF/ ton ceramic ware.

3. An hourly HF emission limit will be established within 120 days after the startup of the sources based on a stack test for the scrubbers.

The facility shall perform stack tests for the scrubbers within 60 days after the startup of the sources. The facility shall submit a stack test protocol to the Department for approval at least 60 days prior to the test. Within 60 days of the completion of the tests, the facility shall provide the Department with the information on the hourly HF emission rate, the overall HF removal efficiency, and the monitoring parameters for the wet HF



scrubber/POC units. Upon review and approval by the Department, the hourly HF emission limit and the scrubber monitoring parameters will be included in the facility's Title V Operating Permit. The Department may grant an extension of the above-mentioned timeframe if a request, in writing, is received and approved by the Department.

The Department may require a permit modification to revise the MACT emission limits based on the stack test results. MACT limits will be verified subsequent to required testing.

Upper Permit Limit: 0.12 pounds per ton
Reference Test Method: 40CFR60 Methods
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2004.
Subsequent reports are due every 6 calendar month(s).

Condition 1-32: Compliance Demonstration
Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.43(c), Subpart B

Item 1-32.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004
Process: P05

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

Item 1-32.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

In order to comply with the 40CFR63-B.43(c) MACT requirements, hydrogen fluoride(HF) emissions from Periodic Kiln No. 1(Emission Source S0019) shall be



limited as follows:

1. HF emissions from the ceramic kiln shall be controlled by using the wet HF scrubber/POC unit (Emission Source C019B) during the peak HF emitting period of each kiln cycle during which high fluorine containing raw materials are fired. The overall removal efficiency of the wet HF scrubber/POC unit for each kiln cycle shall be 90% or greater. Peak HF emitting period of each kiln cycle shall be determined through stack tests. High fluorine containing raw materials fired in Periodic Kiln No. 1 are those which contain fluorine greater than 0.00006 lbs fluorine/ lb. ceramic.
2. HF emissions from the ceramic kiln shall not exceed 0.12 lbs/ton ceramic ware.
3. An hourly HF emission limit will be established within 120 days after the startup of the sources based on a stack test for the scrubber.

The facility shall perform stack tests for the wet HF scrubber/POC unit within 60 days after the startup of the sources. The facility shall submit a stack test protocol to the Department for approval at least 60 days prior to the test. Within 60 days of the completion of the tests, the facility shall provide the Department with the information on the hourly HF emission rate, the overall HF removal efficiency, the peak HF emitting period for each kiln cycle, and the monitoring parameters for the scrubber. Upon review and approval by the Department, the hourly HF emission limit, the scrubber monitoring parameters, and the control period (commensurate with the peak HF emitting period) during each firing cycle will be included in the facility's Title V Operating Permit. The Department may grant an extension of this timeframe if a request, in writing, is received and approved by the Department.

The Department may require a permit modification to revise the MACT emission limits based on the stack test results. MACT limits will be verified subsequent to required testing.

Upper Permit Limit: 0.12 pounds per ton
Reference Test Method: 40CFR60 Methods



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2004.

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

Condition 1-33: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.43(c), Subpart B

Item 1-33.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Process: P05

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 1-33.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to comply with the 40CFR63-B.43(c) MACT requirements, hydrogen fluoride(HF) emissions from Periodic Kiln No. 2(Emission Source S0020) and Periodic Kiln No. 3 (Emission Source S0021) shall be limited as follows:

1. HF emissions from the ceramic kilns shall be controlled by using a dry HF scrubber (Emission Source C020B) during the peak HF emitting period of each kiln cycle when high fluoince raw materials are fired. The overall removal efficiency of the scrubber shall be 95% or greater. Peak HF emitting period of each kiln cycle shall be determined through stack tests. High fluorine containing raw materials fired in Periodic Kiln No. 2 and No. 3 are those which contain fluorine greater than 0.00003 lbs fluorine/lb. ceramic.
2. The HF emissions from each kiln shall not exceed 0.06 lbs/ ton ceramic ware.
3. An hourly HF emission limit will be established within 120 days after the startup of the sources based on a stack test for the scrubber.

The facility shall perform stack tests for the scrubber



within 60 days after the startup of the sources. The facility shall submit a stack test protocol to the Department for approval at least 60 days prior to the test. Within 60 days of the completion of the tests, the facility shall provide the Department with the information on the hourly HF emission rate, the overall HF removal efficiency, the peak HF emitting period for each kiln cycle, and the monitoring parameters for the scrubber. Upon review and approval by the Department, the hourly HF emission limit, the scrubber monitoring parameters, and the control period (commensurate with the peak HF emitting period) during each firing cycle will be included in the facility's Title V Operating Permit. The Department may grant an extension of this timeframe if a request, in writing, is received and approved by the Department.

The Department may require a permit modification to revise the MACT emission limits based on the stack test results. MACT limits will be verified subsequent to required testing.

Upper Permit Limit: 0.06 pounds per ton
Reference Test Method: 40CFR60 Methods
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2004.
Subsequent reports are due every 6 calendar month(s).

Condition 1-34: Compliance Demonstration
Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 1-34.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004 Emission Point: E0019

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

Item 1-34.2:
Compliance Demonstration shall include the following monitoring:



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

If this condition appears in a Title V permit, and the Department has not otherwise directed the permittee to conduct a stack test, compliance with the 0.050 grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible emissions are present following the guidelines in EPA Method 22. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made semiannually while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. The semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations as well as instances in which visible emissions were observed or in which observations could not be made due to weather conditions.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-35: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 1-35.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Emission Point: E0019

Item 1-35.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent



or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

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

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.

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 1/30/2004.

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

Condition 1-36: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date



Applicable Federal Requirement:6NYCRR 212.4(c)

Item 1-36.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Emission Point: E0020

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-36.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

If this condition appears in a Title V permit, and the Department has not otherwise directed the permittee to conduct a stack test, compliance with the 0.050 grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible emissions are present following the guidelines in EPA Method 22. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made semiannually while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. The semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations as well as instances in which visible emissions were observed or in which observations could not be made due to weather conditions.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-37: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.6(a)



Item 1-37.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Emission Point: E0020

Item 1-37.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

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

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.



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 1/30/2004.

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

Condition 1-38: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 1-38.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Emission Point: E0021

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-38.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

If this condition appears in a Title V permit, and the Department has not otherwise directed the permittee to conduct a stack test, compliance with the 0.050 grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible emissions are present following the guidelines in EPA Method 22. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made semiannually while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. The semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations as well as instances in which visible emissions were observed or in which observations could not be made due to weather conditions.



Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.050 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-39: Compliance Demonstration
Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.6(a)

Item 1-39.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Emission Point: E0021

Item 1-39.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

If visible emissions above those that are normal and in compliance continue to be present after corrections are



made, the permittee will immediately notify The Department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.

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 1/30/2004.

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

Condition 1-40: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 1-40.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Emission Point: E0022

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-40.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

If this condition appears in a Title V permit, and the Department has not otherwise directed the permittee to conduct a stack test, compliance with the 0.050 grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible



emissions are present following the guidelines in EPA Method 22. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made semiannually while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. The semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations as well as instances in which visible emissions were observed or in which observations could not be made due to weather conditions.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-41: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 1-41.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Emission Point: E0022

Item 1-41.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.



If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

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

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.

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 1/30/2004.

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

Condition 1-42: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 1-42.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Emission Point: E023A

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-42.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING



Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

If this condition appears in a Title V permit, and the Department has not otherwise directed the permittee to conduct a stack test, compliance with the 0.050 grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible emissions are present following the guidelines in EPA Method 22. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made semiannually while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. The semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations as well as instances in which visible emissions were observed or in which observations could not be made due to weather conditions.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-43: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 1-43.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Emission Point: E023A

Item 1-43.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only



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

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

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

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.

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 1/30/2004.

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

Condition 1-44: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.4(c)



Item 1-44.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Emission Point: E023B

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-44.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

If this condition appears in a Title V permit, and the Department has not otherwise directed the permittee to conduct a stack test, compliance with the 0.050 grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible emissions are present following the guidelines in EPA Method 22. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made semiannually while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. The semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations as well as instances in which visible emissions were observed or in which observations could not be made due to weather conditions.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-45: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.6(a)



Item 1-45.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Emission Point: E023B

Item 1-45.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

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

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.



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 1/30/2004.

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

Condition 1-46: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 1-46.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Emission Point: E024A

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-46.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

If this condition appears in a Title V permit, and the Department has not otherwise directed the permittee to conduct a stack test, compliance with the 0.050 grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible emissions are present following the guidelines in EPA Method 22. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made semiannually while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. The semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations as well as instances in which visible emissions were observed or in which observations could not be made due to weather conditions.

Parameter Monitored: PARTICULATES



Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-47: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.6(a)

Item 1-47.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Emission Point: E024A

Item 1-47.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify The Department



and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.

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 1/30/2004.

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

Condition 1-48: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 1-48.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Emission Point: E024B

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-48.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

If this condition appears in a Title V permit, and the Department has not otherwise directed the permittee to conduct a stack test, compliance with the 0.050 grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible emissions are present following the guidelines in EPA



Method 22. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made semiannually while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. The semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations as well as instances in which visible emissions were observed or in which observations could not be made due to weather conditions.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-49: Compliance Demonstration

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 1-49.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Emission Point: E024B

Item 1-49.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies semi-annually while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.



If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all emission sources), the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

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

If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The semiannual monitoring report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations.

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 1/30/2004.

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

Condition 1-50: Compliance Demonstration
Effective between the dates of 07/31/2003 and Permit Expiration Date

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

Item 1-50.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005

Item 1-50.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall operate the installation in such a way to emit greater



than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test Method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: Method 9
Monitoring Frequency: ANNUALLY
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 1/30/2004.
Subsequent reports are due every 6 calendar month(s).

Condition 82: Compliance Demonstration
Effective between the dates of 03/14/2002 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 231-2.5

Item 82.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005

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

Item 82.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to comply with the 6NYCRR Part 231-2.5 LAER requirements, VOC emissions from the small combustion sources included in Emission Unit 00005 shall be limited as follows:

Emission Source S0031:
Periodic Kiln Emergency Generator (1500KW)
1.25 lbs/hr

Emission Sources S0032, S0033, S0034:
(3) Tunnel Kiln Emergency Generator (3.26 MMBTU/hr each)
1.16 lbs/hr each

Emission Source S0035:
Fire Pump Backup Emergency Generator (210 HP)
0.097 lbs/hr

Emission Source S0036:
Rail Car Mover Emergency Generator (210 HP)
0.097 lbs/hr



Emission Source S0037:
Facilities Backup Emergency Generator (600 HP)
3.17 lbs/hr

Emission Sources S0027, S0028, S0029:
(3) Roof Top HVAC Units (4.375 MMBTU/hr each)
0.025 lbs/hr each

Each emergency generator shall be limited to 500 hours of operation on a rolling twelve month basis. The facility shall maintain a monthly log on the hours of operation of the emergency generators. Hours of operation during each month should be summed with the previous eleven months to calculate a rolling twelve month total. Records shall be kept on site for five years and made available to the Department upon request.

Monitoring Frequency: MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 2-8: Compliance Demonstration
Effective between the dates of 06/03/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 2-8.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00006

Item 2-8.2:
Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. The Department reserves the right to perform or require the performance of a Method 5 emissions evaluation at any time.

The permittee will conduct compliance verifications at the monitoring frequency stated below. These verifications include review of pertinent information relating to particulate emissions of the source, including but not limited to production rate, process material, air flow



rate, control equipment parameters, visible emissions, etc. The permittee will confirm that during source operation all pertinent parameters (whether used to directly calculate particulate emission rate, or as surrogates) are within ranges that ensure compliance with the particulate emission rate.

Additionally, the permittee will investigate, in a timely manner, any instance where there is cause to believe that particulate emissions above 0.050 gr/dscf are occurring or have occurred. These instances include but are not limited to process upsets, control device malfunctions or problems, abnormal visible emissions, complaints, etc. The permittee shall determine the cause of any exceedance, make the necessary correction, and verify that the excess emissions problem has been corrected.

Records of these verifications, investigations and corrective actions will be kept on-site.

Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.050 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: SEMI-ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2008.
Subsequent reports are due every 6 calendar month(s).

Condition 2-9: Compliance Demonstration
Effective between the dates of 06/03/2008 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 2-9.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00006

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

Item 2-9.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

The facility shall operate and maintain all particulate control devices consistent with good engineering practice, and in accordance with the manufacturer's recommendations to ensure compliance with the part 212 particulate emission standards. The facility shall also maintain monthly records of maintenance performed on all particulate control equipment. Within 60 days of the startup of control equipment C0601 and C0602, the facility shall provide the Department with the monitoring parameters for the control equipment to be incorporated in the facility's Title V operating 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 7/30/2008.

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

Condition 2-10: Compliance Demonstration

Effective between the dates of 06/03/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.6(a)

Item 2-10.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00006

Item 2-10.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The dryer oil mist eliminator emission control devices(C0603-C0605) have been installed voluntarily as a precautionary measure by Corning to assure compliance with the Part 212 opacity standard. The control devices are intended for use on as as-needed basis, and will be used at Corning's discretion to address any indication of increased levels of opacity resulting from drying operations.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2008.

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

Condition 2-11: Compliance Demonstration

Effective between the dates of 06/03/2008 and Permit Expiration Date



Applicable Federal Requirement:6NYCRR 212.6(a)

Item 2-11.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00006

Item 2-11.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

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

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

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the Department and the semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these instances.

Reference Test Method: Method 9

Monitoring Frequency: SEMI-ANNUALLY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2008.

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

Condition 2-12: Compliance Demonstration

Effective between the dates of 06/03/2008 and Permit Expiration Date

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

Item 2-12.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00006

Item 2-12.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall operate the installation in such a way to emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test Method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: ANNUALLY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2008.

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

Condition 2-13: Compliance Demonstration

Effective between the dates of 06/03/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.10(c)(4)(i)

Item 2-13.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00006

Process: P09

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 2-13.2:



Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

VOC emissions from Tunnel Kilns No.3 and No.4 (Emission Sources S0620 and S0621) shall be controlled through a combination of kiln burners and the use of a thermal oxidizer during the burnout period of each firing cycle. The burnout period refers to an early period of a firing cycle during which VOC is released from the ceramic wares. An overall VOC reduction of 81% shall be achieved through the combination of kiln burners and the thermal oxidizer to maintain compliance with Part 212.10(c)(4)(i).

The facility shall perform stack tests for the kilns and the associated thermal oxidizers within 60 days after the startup of the sources. The facility shall submit a stack test protocol to the Department for approval at least 60 days prior to the test. Within 60 days of the completion of the tests, the facility shall provide the Department with the information on the overall VOC removal efficiency, the operating temperature of the thermal oxidizer and the burnout period of each firing cycle. The Department may grant an extension of the above-mentioned timeframe if a request, in writing, is received and approved by the Department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2008.

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

Condition 2-14: RACT

Effective between the dates of 06/03/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.10(f)

Item 2-14.1:

This Condition applies to Emission Unit: U-00006 Emission Point: E0603

Item 2-14.2:

Owners and/or operators of emission points located at facilities described in subdivision 212.10(a) which commence construction after August 15, 1994 must submit a RACT demonstration for nitrogen oxides and volatile organic compound emissions with each application for a permit to construct. Reasonably available control technology must be implemented on these emission points when operation commences. A RACT analysis is not required for new emission points with nitrogen oxide and volatile organic compound emission rate potentials less than 3.0 pounds per hour and actual emissions in the absence of control



equipment less than 15.0 pounds per day at facilities located outside of the Lower Orange County and New York City metropolitan areas

Condition 2-15: RACT
Effective between the dates of 06/03/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.10(f)

Item 2-15.1:

This Condition applies to Emission Unit: U-00006 Emission Point: E0604

Item 2-15.2:

Owners and/or operators of emission points located at facilities described in subdivision 212.10(a) which commence construction after August 15, 1994 must submit a RACT demonstration for nitrogen oxides and volatile organic compound emissions with each application for a permit to construct. Reasonably available control technology must be implemented on these emission points when operation commences. A RACT analysis is not required for new emission points with nitrogen oxide and volatile organic compound emission rate potentials less than 3.0 pounds per hour and actual emissions in the absence of control equipment less than 15.0 pounds per day at facilities located outside of the Lower Orange County and New York City metropolitan areas

Condition 2-16: RACT
Effective between the dates of 06/03/2008 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.10(f)

Item 2-16.1:

This Condition applies to Emission Unit: U-00006 Emission Point: E0605

Item 2-16.2:

Owners and/or operators of emission points located at facilities described in subdivision 212.10(a) which commence construction after August 15, 1994 must submit a RACT demonstration for nitrogen oxides and volatile organic compound emissions with each application for a permit to construct. Reasonably available control technology must be implemented on these emission points when operation commences. A RACT analysis is not required for new emission points with nitrogen oxide and volatile organic compound emission rate potentials less than 3.0 pounds per hour and actual emissions in the absence of control equipment less than 15.0 pounds per day at facilities located outside of the Lower Orange County and New York City metropolitan areas



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 1-51: Contaminant List

Effective between the dates of 07/31/2003 and Permit Expiration Date

Applicable State Requirement:ECL 19-0301

Item 1-51.1:

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

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

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

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

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

Condition 83: Unavoidable noncompliance and violations

Effective between the dates of 03/14/2002 and Permit Expiration Date

Applicable State Requirement:6NYCRR 201-1.4

Item 83.1:

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 86: Emission Unit Definition
Effective between the dates of 03/14/2002 and Permit Expiration Date**

Applicable State Requirement:6NYCRR 201-5

Item 86.1(From Mod 3):

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

Emission Unit: U-00001

Emission Unit Description:

THIS UNIT CONSISTS OF A RAIL CAR AND TRUCK UNLOADING AND TRANSFER; BATCH SILO STORAGE AND SCREENING; A DRY BATCH MIX AREA; LIQUID BATCH UNLOADING; A WET TOWER MIX AREA; A PLUGGING AREA AND CUTTING OPERATIONS.

Building(s): 1

Item 86.2(From Mod 3):

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

Emission Unit: U-00004

Emission Unit Description:

THIS UNIT CONSISTS OF KILNS ASSOCIATED WITH THE FIRING OF EXTRUDED CERAMIC WARE.

Building(s): 1

Item 86.3(From Mod 3):

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

Emission Unit: U-00006

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF A DRY BATCH



MIX AREA, BATCH TRANSFER AREA, WET TOWER
MIX AREA, DRYING AND CUTTING AREAS FOR
GREEN CERAMIC, AS WELL AS TWO TUNNEL KILNS
WITH EMISSIONS CONTROL DEVICES.

Building(s): 1

Item 86.4(From Mod 0):

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

Emission Unit: U-00002

Emission Unit Description:

THIS UNIT CONSISTS OF VOLATILE ORGANIC
LIQUID STORAGE TANKS.

Building(s): 1

Item 86.5(From Mod 1):

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

Emission Unit: U-00003

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF OPERATIONS
ASSOCIATED WITH THE DRYING OF EXTRUDED
CERAMIC. INCLUDED IN THIS UNIT ARE EXEMPT
GAS-FIRED PREHEATERS. THE OIL MIST
ELIMINATORS WILL BE DESIGNED TO REMOVE
POTENTIAL PARTICULATE EMISSIONS FROM THE
LOG AND PLUG DRYERS.

Building(s): 1

Item 86.6(From Mod 1):

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

Emission Unit: U-00005

Emission Unit Description:

This unit consists of roof top units, unit heaters, and
various emergency generators.

Building(s): 1

Condition 88: Air pollution prohibited
Effective between the dates of 03/14/2002 and Permit Expiration Date

Applicable State Requirement:6NYCRR 211.2

Item 88.1:

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 89: Emission Point Definition By Emission Unit
Effective between the dates of 03/14/2002 and Permit Expiration Date

Applicable State Requirement:6NYCRR 201-5

Item 89.1(From Mod 3):

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

Emission Unit: U-00001

Emission Point: E0018

Height (ft.): 28 Diameter (in.): 18
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Item 89.2(From Mod 3):

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

Emission Unit: U-00006

Emission Point: E620C

Height (ft.): 44 Diameter (in.): 48
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E621C

Height (ft.): 44 Diameter (in.): 48
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Item 89.3(From Mod 1):

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

Emission Unit: U-00001

Emission Point: E0001

Height (ft.): 28 Diameter (in.): 6
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E0002

Height (ft.): 28 Diameter (in.): 40
Building: 1

Emission Point: E0003

Height (ft.): 62 Diameter (in.): 16
Building: 1

Emission Point: E0004

Height (ft.): 28 Diameter (in.): 6
Building: 1



Emission Point: E0005 Height (ft.): 28	Diameter (in.): 60	Building: 1
Emission Point: E0006 Height (ft.): 28	Diameter (in.): 40	Building: 1
Emission Point: E0007 Height (ft.): 28	Diameter (in.): 40	Building: 1
Emission Point: E0008 Height (ft.): 28	Diameter (in.): 6	Building: 1

Item 89.4(From Mod 0):

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

Emission Unit: U-00002		
Emission Point: E0009 Height (ft.): 28	Diameter (in.): 6	Building: 1
Emission Point: E0010 Height (ft.): 28	Diameter (in.): 6	Building: 1
Emission Point: E0011 Height (ft.): 28	Diameter (in.): 6	Building: 1

Item 89.5(From Mod 1):

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

Emission Unit: U-00003		
Emission Point: E0012 Height (ft.): 28	Diameter (in.): 18	Building: 1
Emission Point: E0013 Height (ft.): 28	Diameter (in.): 18	Building: 1
Emission Point: E0014 Height (ft.): 28	Diameter (in.): 18	Building: 1
Emission Point: E0015 Height (ft.): 28	Diameter (in.): 18	Building: 1



			Building: 1
Emission Point: E0028 Height (ft.): 35	Length (in.): 24	Width (in.): 24	Building: 1
Emission Point: E0029 Height (ft.): 35	Length (in.): 24	Width (in.): 24	Building: 1
Emission Point: E0030 Height (ft.): 35	Diameter (in.): 6		Building: 1
Emission Point: E0031 Height (ft.): 35	Diameter (in.): 6		Building: 1
Emission Point: E0032 Height (ft.): 35	Diameter (in.): 6		Building: 1
Emission Point: E0033 Height (ft.): 35	Diameter (in.): 6		Building: 1
Emission Point: E0034 Height (ft.): 35	Diameter (in.): 6		Building: 1
Emission Point: E0035 Height (ft.): 35	Diameter (in.): 6		Building: 1
Emission Point: E0036 Height (ft.): 35	Diameter (in.): 6		Building: 1
Emission Point: E0037 Height (ft.): 35	Diameter (in.): 6		Building: 1
Emission Point: E0038 Height (ft.): 35	Diameter (in.): 6		Building: 1
Emission Point: E0039 Height (ft.): 35	Diameter (in.): 6		Building: 1
Emission Point: E0040 Height (ft.): 35	Diameter (in.): 6		Building: 1



Emission Point: E0041 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0042 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0043 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0044 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0045 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0046 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0047 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0048 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0049 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0050 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0051 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0052 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0053 Height (ft.): 35	Diameter (in.): 6	Building: 1



Emission Point: E0054 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0055 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0056 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0057 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0058 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0059 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0060 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0061 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0062 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0063 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0064 Height (ft.): 35	Diameter (in.): 6	Building: 1
Emission Point: E0065 Height (ft.): 35	Diameter (in.): 3	Building: 1
Emission Point: E0066 Height (ft.): 35	Diameter (in.): 3	Building: 1
Emission Point: E0067		



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

Emission Unit: U-00001

Process: P02

Source Classification Code: 3-05-008-02

Process Description:

THIS PROCESS CONSISTS OF EMISSION SOURCES,
EMISSION POINTS AND EMISSION CONTROL
DEVICES ASSOCIATED WITH THE CUTTING AND
CRUSHING OF CERAMIC WARE MATERIAL.

Emission Source/Control: C0005 - Control

Control Type: FABRIC FILTER

Emission Source/Control: C0006 - Control

Control Type: FABRIC FILTER

Emission Source/Control: C0007 - Control

Control Type: FABRIC FILTER

Emission Source/Control: C0008 - Control

Control Type: FABRIC FILTER

Emission Source/Control: C0018 - Control

Control Type: FABRIC FILTER

Emission Source/Control: S0005 - Process

Emission Source/Control: S0006 - Process

Emission Source/Control: S0007 - Process

Emission Source/Control: S0008 - Process

Emission Source/Control: S0018 - Process

Item 90.2(From Mod 3):

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

Emission Unit: U-00004

Process: P05

Source Classification Code: 3-05-008-99

Process Description:

THIS PROCESS CONSISTS OF FOUR PERIODIC AND
TWO TUNNEL KILNS ASSOCIATED WITH THE FIRING
OF EXTRUDED CERAMIC WARE MATERIAL. ALL
KILNS ARE NATURAL GAS FIRED.

Emission Source/Control: C019A - Control

Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: C019B - Control

Control Type: WET SCRUBBER

Emission Source/Control: C020A - Control



Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: C020B - Control
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: C021A - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: C022A - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: C023A - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: C023B - Control
Control Type: WET SCRUBBER

Emission Source/Control: C023C - Control
Control Type: PACKED GAS ABSORPTION SYSTEM, GAS
SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: C024A - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: C024B - Control
Control Type: WET SCRUBBER

Emission Source/Control: C024C - Control
Control Type: PACKED GAS ABSORPTION SYSTEM, GAS
SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: S0019 - Process

Emission Source/Control: S0020 - Process

Emission Source/Control: S0021 - Process

Emission Source/Control: S0022 - Process

Emission Source/Control: S0023 - Process

Emission Source/Control: S0024 - Process

Item 90.3(From Mod 3):

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

Emission Unit: U-00006

Process: P09

Process Description:

THIS PROCESS CONSISTS OF TUNNEL KILNS 3
AND 4 AND ASSOCIATED EMISSIONS CONTROL
DEVICES FOR FIRING EXTRUDED CERAMIC WARE.



Emission Source/Control: C620A - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: C620B - Control
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: C620C - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: C621A - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: C621B - Control
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: C621C - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: S0620 - Process

Emission Source/Control: S0621 - Process

Item 90.4(From Mod 1):

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

Emission Unit: U-00001

Process: P01

Source Classification Code: 3-05-008-03

Process Description:

THIS PROCESS CONSISTS OF RAW MATERIAL
UNLOADING, BATCH PREPARATION, WET TOWER
MIXING, PLUGGING AREA AND EXEMPT SOLID
MATERIAL STORAGE SILOS.

Emission Source/Control: C0001 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0002 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0004 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C003A - Control
Control Type: FABRIC FILTER

Emission Source/Control: C003B - Control
Control Type: FABRIC FILTER

Emission Source/Control: S0001 - Process

Emission Source/Control: S0002 - Process

Emission Source/Control: S0003 - Process



Emission Source/Control: S0004 - Process

Item 90.5(From Mod 0):

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

Emission Unit: U-00002

Process: P03

Source Classification Code: 4-90-999-98

Process Description:

THIS PROCESS CONSISTS OF EMISSION SOURCES AND POINTS ASSOCIATED WITH ABOVE GROUND VOLATILE ORGANIC LIQUID STORAGE TANKS WITH A CAPACITY LESS THAN 10,000 GALLONS.

Emission Source/Control: C0009 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: C0010 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: C0011 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: S0009 - Process

Emission Source/Control: S0010 - Process

Emission Source/Control: S0011 - Process

Item 90.6(From Mod 1):

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

Emission Unit: U-00003

Process: P04

Source Classification Code: 3-05-008-01

Process Description:

THIS PROCESS CONSISTS OF EMISSION SOURCES AND POINTS ASSOCIATED WITH THE DRYING OF EXTRUDED CERAMIC WARE MATERIAL. THE DRYERS HAVE SMALL (EXEMPT < 1MMBUT/HR) GAS-FIRED PREHEATERS. THE OIL MIST ELIMINATORS WILL BE DESIGNED TO REMOVE POTENTIAL PARTICULATE EMISSIONS FROM THE LOG AND PLUG DRYERS.

Emission Source/Control: C0012 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: C0013 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: C0014 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: C0015 - Control



Control Type: MIST ELIMINATOR

Emission Source/Control: C0016 - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: C0017 - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: C0018 - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: S0012 - Process

Emission Source/Control: S0013 - Process

Emission Source/Control: S0014 - Process

Emission Source/Control: S0015 - Process

Emission Source/Control: S0016 - Process

Emission Source/Control: S0017 - Process

Emission Source/Control: S0018 - Process

Item 90.7(From Mod 1):

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

Emission Unit: U-00004

Process: P06

Source Classification Code: 3-05-008-99

Process Description:

THIS IS AN OPERATIONAL FLEXIBILITY PROCESS
THAT WOULD ENABLE THE FUTURE USE OF
PERIODIC KILN NO.4 FOR PROCESSING HIGHER
FLUORINE CONTAINING CERAMIC COMPOSITIONS.

Emission Source/Control: C022A - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: C022B - Control
Control Type: WET SCRUBBER

Emission Source/Control: S0022 - Process

Item 90.8(From Mod 2):

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

Emission Unit: U-00006

Process: P08

Process Description:

THIS PROCESS INCLUDES BATCH PREPARATION,
WET TOWER MIXING, CUTTING OF EXTRUDED GREEN
CERAMIC, DRYING OF EXTRUDED CERAMIC,



INCLUDING EXEMPT GAS FIRED PREHEATERS. OIL
MIST ELIMINATORS ARE DESIGNED TO REMOVE
POTENTIAL LIQUID PARTICULATE EMISSIONS AND
MINIMIZE OPACITY FROM THE DRYERS.

Emission Source/Control: C0601 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0602 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0603 - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: C0604 - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: C0605 - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: S0601 - Process

Emission Source/Control: S0602 - Process

Emission Source/Control: S0603 - Process

Emission Source/Control: S0604 - Process

Emission Source/Control: S0605 - Process

Item 90.9(From Mod 2):

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

Emission Unit: U-00006

Process: P10

Process Description:

THIS PROCESS CONSISTS OF MISCELLANEOUS
EXEMPT/TRIVIAL COMBUSTION UNITS.

Emission Source/Control: S0630 - Process

Emission Source/Control: S0631 - Process

Emission Source/Control: S0640 - Process

Emission Source/Control: S0641 - Process

Emission Source/Control: S0642 - Process

Emission Source/Control: S0645 - Process

Emission Source/Control: S0646 - Process



Emission Source/Control: S0647 - Process

Emission Source/Control: S0650 - Process

Emission Source/Control: S0651 - Process

Emission Source/Control: S0652 - Process

Emission Source/Control: S0653 - Process

Emission Source/Control: S0660 - Process

Emission Source/Control: S0661 - Process

**Condition 1-52: Emissions from new emission sources and/or modifications
Effective between the dates of 07/31/2003 and Permit Expiration Date**

Applicable State Requirement:6NYCRR 212.4(a)

Item 1-52.1:

This Condition applies to Emission Unit: U-00003

Item 1-52.2:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the commissioner.

**Condition 91: Emissions from new emission sources and/or modifications
Effective between the dates of 03/14/2002 and Permit Expiration Date**

Applicable State Requirement:6NYCRR 212.4(a)

Item 91.1:

This Condition applies to Emission Unit: U-00004

Item 91.2:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the commissioner.

**Condition 2-17: Emissions from new emission sources and/or modifications
Effective between the dates of 06/03/2008 and Permit Expiration Date**

Applicable State Requirement:6NYCRR 212.4(a)

Item 2-17.1:

This Condition applies to Emission Unit: U-00006

Item 2-17.2:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the commissioner.



Condition 2-18: Compliance Demonstration
Effective between the dates of 06/03/2008 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 212.4(a)

Item 2-18.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00006

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 2-18.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The hydrogen fluoride(HF) emissions from the two new tunnel kilns (S0620 and S0621) require the submittal and approval of an updated facility HF modeling evaluation. Construction of the new kilns shall not be initiated prior to the Department's approval of the updated HF modeling evaluation.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00001

Facility DEC ID: 8464200108

