



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 8-4642-00009/00109
Mod 0 Effective Date: 07/17/2001 Expiration Date: 07/17/2006
Mod 1 Effective Date: 01/09/2003 Expiration Date: 07/17/2006
Mod 2 Effective Date: 07/30/2003 Expiration Date: 07/17/2006
Mod 3 Effective Date: 02/07/2006 Expiration Date: 07/17/2006

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

Contact: MICHAEL FORD
CORNING INC
HP-ME-01-031
CORNING, NY 14831
(607) 974-4279

Facility: ERWIN MANUFACTURING COMPLEX
ADDISON - SOUTH HAMILTON ROAD
ERWIN, NY 14870

Contact: RONALD R RESUE
CORNING INC - ERWIN MANUFACTURING COMPLEX
ADDISON - SOUTH HAMILTON ROAD
PAINTED POST, NY 14870
(607) 974-1488

Description:
Third modification of the initial Facility Title V Permit for production of ceramic filter substrates for gasoline and diesel engine emission control devices. The Corning Erwin Manufacturing Complex meets the definition of a Major Source in 6 NYCRR Part 201-2.1(b)(21), and is subject to Part 201-6 requirements for a Title V Facility Permit due to potential emissions of Particulates, PM-10, CO, and NOx in excess of 100 tons per year each, and VOC in excess of 50 tons per year.

Emission Units originally included:

- U-00001, venting two automotive ceramic filter production lines;
- U-00002, venting diesel ceramic filter production operations;
- U-00003, venting ceramic filter resin coating, plating, and stripping operations;



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- U-00004, venting older automotive ceramic production operations not included in Emission Unit U-00001; and
- U-00005, venting processes which may alternate between exempt research and development operations, and non-exempt production operations.

The first modification (Mod 1) of the Title V Facility Permit authorized addition of a new Emission Unit U-00006, venting a microwave dryer. The increase in potential emissions resulting was below New Source Review significance thresholds for a major project.

The second modification (Mod 2) authorized:

- Deletion of Emission Unit U-00003 since that unit was converted to exempt research and development activities; and
- Changes to Emission Unit U-00001 including an additional hydrogen fluoride scrubber to allow simultaneous firing of high fluorine raw materials in more than one kiln, and an increase in burner capacity to upgrade an existing thermal oxidizer.

Mod 2 also included reduced emission caps on Emission Unit U-00001 to limit potential emission increases to below New Source Review and Prevention of Significant Deterioration thresholds.

- VOC emissions were capped at 61.2 tons per year, unchanged from Mod 1;
- NO_x emissions were capped at 44.88 tons per year, reduced from 79.89 tons in Mod 1;
- PM-10 emissions were capped at 17.95 tons per year, reduced from 24.34 tons in Mod 1; and
- Total particulate emissions were capped at 27.95 tons per year, reduced from 34.34 tons in Mod 1.

Mod 3 includes several minor modifications to facility operations, including:

- Addition of the following sources to Emission Unit U-00001: a kiln oxidizer, three secondary dryers, a dispatch dryer, and four oil mist eliminators. Secondary dryer output is limited by the output of the existing primary dryer at 3000 pounds per hour. Emissions limits on Emission Unit U-00001 remain unchanged from Mod 2
- Addition of the following sources to Emission Unit U-00002: additional Light Duty Diesel saws and two saw dust collectors.
- Addition of a R&D kiln to Emission Unit U-00005.
- Deletion of Emission Unit U-00006.
- Diesel Cutting and Contouring / Torit Dust collector moved from Emission Unit U-00002 to U-00005.
- Diesel XL Housekeeping Unit / Baghouse Moved from Emission Unit U-00002 to U-00001 and now covered by U-00001 particulate emission cap.

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

New York State Department of Environmental Conservation
Facility DEC ID: 8464200009



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 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 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 and Modifications

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



DEC GENERAL CONDITIONS

****** General Provisions ******

For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

Item 1.1:

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301.2(m)

Item 2.1:

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 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:



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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 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

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



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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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CORNING, NY 14831

Facility: ERWIN MANUFACTURING COMPLEX
ADDISON - SOUTH HAMILTON ROAD
ERWIN, NY 14870

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

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Mod 3 Permit Effective Date: 02/07/2006

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LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 3-1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 3-2 6NYCRR 201-6.5(a)(7): Fees
- 1-1 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 1-2 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 1-3 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 2-1 6NYCRR 201-6.5(e): Compliance Certification
- 30 6NYCRR 202-2.1: Compliance Certification
- 31 6NYCRR 202-2.5: Recordkeeping requirements
- 3-3 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 3-4 6NYCRR 200.7: Maintenance of Equipment
- 3-5 6NYCRR 201-1.7: Recycling and Salvage
- 3-6 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 3-7 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 3-8 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 3-9 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 3-10 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 3-11 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 3-12 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 3-13 6NYCRR 202-1.1: Required Emissions Tests
- 3-14 6NYCRR 211.3: Visible Emissions Limited
- 3-15 40CFR 68: Accidental release provisions.
- 3-16 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 24 6NYCRR 201-6: Emission Unit Definition
- 27 6NYCRR 201-6.5(f): Compliance Certification
- 33 6NYCRR 212.11(a): Sampling and Monitoring

Emission Unit Level

- 36 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 37 6NYCRR 201-6: Process Definition By Emission Unit

EU=U-00001

- 2-3 6NYCRR 212.4(c): Compliance Certification
- 3-17 6NYCRR 212.6(a): Compliance Certification
- 2-5 6NYCRR 212.6(a): Compliance Certification
- 3-18 6NYCRR 212.10(c)(4)(i): Compliance Certification
- 2-7 6NYCRR 231-2: Compliance Certification
- 2-8 6NYCRR 231-2: Compliance Certification
- 3-19 6NYCRR 231-2: Compliance Certification
- 2-10 40CFR 52.21, Subpart A: Compliance Certification
- 2-11 40CFR 52.21, Subpart A: Compliance Certification



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2-12 40CFR 52.21, Subpart A: Compliance Certification

EU=U-00001,Proc=CK1,ES=S1530

3-20 6NYCRR 212.10(c)(4)(i): Compliance Certification

EU=U-00001,EP=E0001

3-21 6NYCRR 212.10(f): RACT

EU=U-00001,EP=E0002,Proc=EC2,ES=C0002

3-22 6NYCRR 212.4(c): Compliance Certification

EU=U-00001,EP=E0003,Proc=EC2,ES=C0003

2-14 6NYCRR 212.10(c)(4)(i): Compliance Certification

3-23 6NYCRR 212.10(c)(4)(i): Compliance Certification

EU=U-00001,EP=E0004

3-24 6NYCRR 212.10(f): RACT

EU=U-00001,EP=E0005

3-25 6NYCRR 212.10(f): RACT

EU=U-00001,EP=E0006

3-26 6NYCRR 212.10(f): RACT

EU=U-00001,EP=E0007

3-27 6NYCRR 212.10(f): RACT

EU=U-00001,EP=E1541,Proc=CK1,ES=C0001

3-28 6NYCRR 212.4(c): Compliance Certification

EU=U-00001,EP=E1545,Proc=CK1,ES=C1545

3-29 6NYCRR 212.4(c): Compliance Certification

EU=U-00001,EP=E1547,Proc=CK1,ES=S1547

3-30 6NYCRR 212.4(c): Compliance Certification

EU=U-00001,EP=E157A,Proc=CK1,ES=C157A

3-31 6NYCRR 212.10(c)(4)(i): Compliance Certification

EU=U-00001,EP=E157B,Proc=CK1,ES=C157B

2-17 6NYCRR 212.10(c)(4)(i): Compliance Certification



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EU=U-00001,EP=E157C,Proc=CK1,ES=C157C

3-32 6NYCRR 212.10(c)(4)(i): Compliance Certification

EU=U-00001,EP=E1593,Proc=CK1,ES=C1593

3-33 6NYCRR 212.4(c): Compliance Certification

EU=U-00001,EP=E1613,Proc=EC2,ES=C0099

3-34 6NYCRR 212.4(c): Compliance Certification

EU=U-00001,EP=E4000,Proc=CK1

3-35 6NYCRR 212.10(c)(1): RACT analysis not required for emission points less than 3 lb/hr VOC or NOx

EU=U-00001,EP=E5000,Proc=CK1

3-36 6NYCRR 212.10(c)(1): RACT analysis not required for emission points less than 3 lb/hr VOC or NOx

EU=U-00001,EP=E6000,Proc=CK1

3-37 6NYCRR 212.10(c)(1): RACT analysis not required for emission points less than 3 lb/hr VOC or NOx

EU=U-00002

2-18 6NYCRR 212.4(c): Compliance Certification

2-20 6NYCRR 212.6(a): Compliance Certification

EU=U-00002,EP=E0014,Proc=D01,ES=C0014

3-38 6NYCRR 212.4(c): Compliance Certification

EU=U-00002,EP=E0015,Proc=D01,ES=C0015

3-39 6NYCRR 212.4(c): Compliance Certification

EU=U-00002,EP=E1595,Proc=D01,ES=S1595

59 6NYCRR 212.10(c)(1): RACT analysis not required for emission points less than 3 lb/hr VOC or NOx

EU=U-00002,EP=E1601,Proc=D01

3-40 6NYCRR 212.10(c)(1): RACT analysis not required for emission points less than 3 lb/hr VOC or NOx

EU=U-00002,EP=E1602,Proc=D01

3-41 6NYCRR 212.10(c)(1): RACT analysis not required for emission points less than 3 lb/hr VOC or NOx

EU=U-00002,EP=E1610,Proc=D01,ES=C0013

3-42 6NYCRR 212.4(c): Compliance Certification

EU=U-00002,EP=E1614,Proc=D01,ES=C1614



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3-43 6NYCRR 212.4(c): Compliance Certification

EU=U-00004

2-24 6NYCRR 212.4(c): Compliance Certification

2-26 6NYCRR 212.6(a): Compliance Certification

EU=U-00004,EP=E1546,Proc=CL1,ES=C0009

3-44 6NYCRR 212.4(c): Compliance Certification

EU=U-00004,EP=E1608,Proc=CL1,ES=C0012

3-45 6NYCRR 212.4(c): Compliance Certification

EU=U-00005

2-27 6NYCRR 212.4(c): Compliance Certification

2-29 6NYCRR 212.6(a): Compliance Certification

3-46 6NYCRR 212.10(c)(4)(i): Compliance Certification

EU=U-00005,EP=E1604,Proc=CS1,ES=C0011

3-47 6NYCRR 212.4(c): Compliance Certification

EU=U-00005,EP=E1650,Proc=CS1,ES=C1650

3-48 6NYCRR 212.4(c): Compliance Certification

EU=U-00005,EP=E1651,Proc=CS1,ES=SCM02

72 6NYCRR 212.10(c)(1): RACT analysis not required for emission points
less than 3 lb/hr VOC or NOx

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

1-7 ECL 19-0301: Contaminant List

1-8 6NYCRR 201-1.4: Unavoidable noncompliance and violations

75 6NYCRR 211.2: Air pollution prohibited

3-49 6NYCRR 212.4(a): Compliance Demonstration

Emission Unit Level

EU=U-00001

76 6NYCRR 212.4(a): Emissions from new emission sources and/or
modifications

EU=U-00001,Proc=CK1

2-32 6NYCRR 212.4(a): Compliance Demonstration

EU=U-00001,Proc=CK1,ES=S1530

3-50 6NYCRR 212.4(a): Compliance Demonstration

EU=U-00002

77 6NYCRR 212.4(a): Emissions from new emission sources and/or

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modifications

EU=U-00004

3-51 6NYCRR 212.4(a): Emissions from new emission sources and/or modifications

EU=U-00005

79 6NYCRR 212.4(a): Emissions from new emission sources and/or modifications



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Emergency Defense - 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 B: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 201-1.10(b)

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to



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Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

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

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

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

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

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

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

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

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

Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6NYCRR Part 201-6.5(a)(5)

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in

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order to maintain compliance with the conditions of this permit.

Item H: Property Rights - 6 NYCRR Part 201-6.5(a)(6)

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

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

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

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

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

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

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Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

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

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

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

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

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

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

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

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit



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is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item L: Permit Exclusion - ECL 19-0305

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

Item M: Federally Enforceable Requirements - 40 CFR 70.6(b)

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

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

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

Condition 3-1: Acceptable Ambient Air Quality
Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 200.6

Item 3-1.1:

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit



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any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 3-2: Fees

Effective between the dates of 02/07/2006 and 07/17/2006

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

Item 3-2.1:

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0302.

Condition 1-1: Recordkeeping and reporting of compliance monitoring

Effective between the dates of 01/09/2003 and 07/17/2006

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

Item 1-1.1:

The following information must be included in any required compliance monitoring records and reports:

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii) The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

Condition 1-2: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 01/09/2003 and 07/17/2006

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

Item 1-2.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable



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regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 1-3: Compliance Certification

Effective between the dates of 01/09/2003 and 07/17/2006

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

Item 1-3.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-3.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

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

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

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

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

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

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

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2003.
Subsequent reports are due every 6 calendar month(s).

Condition 2-1: Compliance Certification
Effective between the dates of 07/30/2003 and 07/17/2006

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

Item 2-1.1:

The Compliance Certification activity will be performed for the Facility.

Item 2-1.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the

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following:

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.
- iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:



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

The address for the RAPCE is as follows:

6274 East Avon-Lima Road
Avon, NY 14414-9519

The address for the BCME is as follows:

NYSDEC
Bureau of Compliance Monitoring
and Enforcement
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due on the same day each year

Condition 30: Compliance Certification
Effective between the dates of 07/17/2001 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 202-2.1

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

Item 30.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Emission statements shall be submitted on or before April
15th each year for emissions of the previous calendar
year.

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

Condition 31: Recordkeeping requirements
Effective between the dates of 07/17/2001 and 07/17/2006



Applicable Federal Requirement: 6NYCRR 202-2.5

Item 31.1:

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

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

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

Condition 3-3: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 215

Item 3-3.1:

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, refuse, rubbish for salvage, or rubbish generated by industrial or commercial activities.

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

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

Condition 3-4: Maintenance of Equipment
Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 200.7

Item 3-4.1:

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

Condition 3-5: Recycling and Salvage
Effective between the dates of 02/07/2006 and 07/17/2006

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Applicable Federal Requirement: 6NYCRR 201-1.7

Item 3-5.1:

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

Condition 3-6: Prohibition of Reintroduction of Collected Contaminants to the air

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 3-6.1:

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

Condition 3-7: Exempt Sources - Proof of Eligibility

Effective between the dates of 02/07/2006 and 07/17/2006

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

Item 3-7.1:

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

Condition 3-8: Trivial Sources - Proof of Eligibility

Effective between the dates of 02/07/2006 and 07/17/2006

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

Item 3-8.1:

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

Condition 3-9: Standard Requirement - Provide Information



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Effective between the dates of 02/07/2006 and 07/17/2006

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

Item 3-9.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 3-10: General Condition - Right to Inspect

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 201-6.5(a)(8)

Item 3-10.1:

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

- (i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- (ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- (iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and
- (iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 3-11: Standard Requirements - Progress Reports

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 201-6.5(d)(5)

Item 3-11.1:

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

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



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

Condition 3-12: Off Permit Changes

Effective between the dates of 02/07/2006 and 07/17/2006

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

Item 3-12.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

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

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

Condition 3-13: Required Emissions Tests

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 3-13.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

Condition 3-14: Visible Emissions Limited

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 211.3

Item 3-14.1:



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

Condition 3-15: Accidental release provisions.

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 40CFR 68

Replaces Condition(s) 2-2

Item 3-15.1:

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
 - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
 - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

Risk Management Plan Reporting Center
C/O CSC
8400 Corporate Dr
Carrollton, Md. 20785

Condition 3-16: Recycling and Emissions Reduction

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 3-16.1:

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

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



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Condition 24: Emission Unit Definition

Effective between the dates of 07/17/2001 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 201-6

Item 24.1(From Mod 3):

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

Emission Unit: U-00001

Emission Unit Description:

THIS UNIT ADDRESSES THE COOK AND LIGHT
DUTY DIESEL CERAMIC FILTER PRODUCTION
OPERATIONS.

Building(s): 1A

Item 24.2(From Mod 3):

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

Emission Unit: U-00002

Emission Unit Description:

THIS UNIT ADDRESSES THE DIESEL CERAMIC
FILTER PRODUCTION OPERATIONS.

Building(s): 1A
1B

Item 24.3(From Mod 3):

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

Emission Unit: U-00004

Emission Unit Description:

THIS UNIT ADDRESSES COOK LINE CERAMIC
FILTER PRODUCTION LINES NOT INCLUDED IN THE
U00001 EMISSIONS CAP.

Building(s): 1A

Item 24.4(From Mod 3):

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

Emission Unit: U-00005

Emission Unit Description:

THIS EMISSION UNIT INCLUDES THE SAMPLES
DEVELOPMENT ORGANIZATION OPERATIONS,
INCLUDING R&D (EXEMPT) AND SMALL SCALE
PILOT AND PRODUCTION OPERATIONS.

Building(s): 1A

Condition 27: Compliance Certification



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Effective between the dates of 07/17/2001 and 07/17/2006

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

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

OPERATIONAL FLEXIBILITY PLAN

The objective of this Plan is to maximize operational flexibility by building capability into the Corning Erwin Manufacturing Complex Title V Permit for the facility to make certain changes following a preestablished protocol as allowed for in 6NYCRR Part 201-6.5(f).

Protocol for Changes

(1) Certain changes which meet the criteria under (i) - (iii) below may be conducted without prior approval of the Department and shall not require modification of the permit. The facility owner and/or operator must however maintain records of the date and description of such changes and make such records available for review by Department representatives upon request.

(i) changes that do not cause emissions to exceed any emission limitation contained in regulations or applicable requirements;

(ii) changes which do not cause the subject emission unit, emission source, process, or emission point to become subject to any additional regulations or requirements;

(iii) changes that do not seek to establish or modify a federally-enforceable emission cap or limit.

(2) In addition to the recordkeeping required under (1) above, the permittee must notify the Department in writing at least 30 calendar days in advance of making changes involving:

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(i) the installation or relocation of any emission source, process, or emission point within a facility;

(ii) the emission of any air pollutant not previously authorized or emitted in accordance with a permit issued by the Department;

(iii) the installation or alteration of any air cleaning installation, device or control equipment.

(3) The Department may require a permit modification, in order to impose new applicable requirements or special permit conditions if it determines that changes proposed pursuant to notification under (2) above do not meet the criteria under (1) or the change may have a significant air quality impact. In such cases the Department may require that the permittee not undertake the proposed change until it completes a more detailed review of the potential air quality impacts and/or applicable requirements. The Department shall respond to the permittee in writing with such a determination within 15 days of receipt of the 30 day advance notification from the permittee. The Department's determination shall include a listing of information necessary to further review the proposed change.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 33: Sampling and Monitoring
Effective between the dates of 07/17/2001 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.11(a)

Item 33.1:

The owner and/or operator of this facility, if required by the department to conduct stack testing to demonstrate compliance with 6 NYCRR Part 212, must comply with notification requirements and conduct capture efficiency and/or stack testing using acceptable procedures pursuant to 6 NYCRR Part 202.

**** Emission Unit Level ****

Condition 36: Emission Point Definition By Emission Unit

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Effective between the dates of 07/17/2001 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 201-6

Item 36.1(From Mod 3):

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

Emission Unit:	U-00001		
Emission Point:	E0001		
Height (ft.):	40	Diameter (in.):	36
			Building: 1A
Emission Point:	E0002		
Height (ft.):	31	Diameter (in.):	36
			Building: 1A
Emission Point:	E0003		
Height (ft.):	35	Diameter (in.):	36
			Building: 1A
Emission Point:	E0004		
Height (ft.):	40	Diameter (in.):	36
			Building: 1A
Emission Point:	E0005		
Height (ft.):	40	Diameter (in.):	36
			Building: 1A
Emission Point:	E0006		
Height (ft.):	40	Diameter (in.):	36
			Building: 1A
Emission Point:	E0007		
Height (ft.):	40	Diameter (in.):	36
			Building: 1A
Emission Point:	E1530		
Height (ft.):	40	Length (in.):	72
		Width (in.):	83
			Building: 1A
Emission Point:	E1541		
Height (ft.):	62	Diameter (in.):	7
			Building: 1A
Emission Point:	E1545		
Height (ft.):	20	Diameter (in.):	18



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			Building: 1A
Emission Point: E1547	Height (ft.): 30	Diameter (in.): 18	
			Building: 1A
Emission Point: E157A	Height (ft.): 45	Diameter (in.): 48	
			Building: 1A
Emission Point: E157B	Height (ft.): 50	Diameter (in.): 46	
			Building: 1A
Emission Point: E157C	Height (ft.): 45	Diameter (in.): 48	
			Building: 1A
Emission Point: E1593	Height (ft.): 10	Diameter (in.): 40	
			Building: 1A
Emission Point: E1613	Height (ft.): 10	Diameter (in.): 28	
			Building: 1A
Emission Point: E1616	Height (ft.): 50	Diameter (in.): 48	
			Building: 1A
Emission Point: E1618	Height (ft.): 50	Diameter (in.): 48	
			Building: 1A
Emission Point: E4000	Height (ft.): 36	Diameter (in.): 12	
			Building: 1A
Emission Point: E5000	Height (ft.): 36	Diameter (in.): 12	
			Building: 1A
Emission Point: E6000	Height (ft.): 36	Diameter (in.): 12	
			Building: 1A

Item 36.2(From Mod 3):



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

Emission Unit:	U-00002		
Emission Point:	E0014		
Height (ft.):	37	Diameter (in.):	40
			Building: 1B
Emission Point:	E0015		
Height (ft.):	33	Diameter (in.):	10
			Building: 1B
Emission Point:	E1595		
Height (ft.):	75	Diameter (in.):	48
			Building: 1A
Emission Point:	E1601		
Height (ft.):	40	Diameter (in.):	36
			Building: 1B
Emission Point:	E1602		
Height (ft.):	40	Diameter (in.):	36
			Building: 1B
Emission Point:	E1610		
Height (ft.):	35	Diameter (in.):	27
			Building: 1B
Emission Point:	E1614		
Height (ft.):	18	Diameter (in.):	24
			Building: 1A

Item 36.3(From Mod 3):

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

Emission Unit:	U-00004		
Emission Point:	E1546		
Height (ft.):	20	Diameter (in.):	18
			Building: 1A
Emission Point:	E1608		
Height (ft.):	21	Diameter (in.):	10
			Building: 1A

Item 36.4(From Mod 3):

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

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Emission Unit: U-00005

Emission Point: E1604
Height (ft.): 42

Diameter (in.): 28

Building: 1A

Emission Point: E1650
Height (ft.): 35

Diameter (in.): 18

Building: 1A

Emission Point: E1651
Height (ft.): 35

Diameter (in.): 18

Building: 1A

Emission Point: E1652
Height (ft.): 35

Diameter (in.): 24

Building: 1A

Emission Point: E1653
Height (ft.): 35

Diameter (in.): 18

Building: 1A

Emission Point: E1654
Height (ft.): 35

Diameter (in.): 18

Building: 1A

Emission Point: E1655
Height (ft.): 35

Diameter (in.): 18

Building: 1A

Emission Point: E1656
Height (ft.): 40

Diameter (in.): 32

Building: 1A

**Condition 37: Process Definition By Emission Unit
Effective between the dates of 07/17/2001 and 07/17/2006**

Applicable Federal Requirement: 6NYCRR 201-6

Item 37.1(From Mod 3):

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

Emission Unit: U-00001

Process: CK1

Source Classification Code: 3-05-008-99

Process Description:

COOK CERAMIC FILTER PRODUCTION LINE USING



A VARIETY OF CERAMIC RAW MATERIAL
COMPOSITIONS.

Emission Source/Control: C0001 - Control
Control Type: 016

Emission Source/Control: C0008 - Control
Control Type: 016

Emission Source/Control: C1545 - Control
Control Type: 016

Emission Source/Control: C1547 - Control
Control Type: 016

Emission Source/Control: C157A - Control
Control Type: 127

Emission Source/Control: C157B - Control
Control Type: 127

Emission Source/Control: C157C - Control
Control Type: 127

Emission Source/Control: C1593 - Control
Control Type: 016

Emission Source/Control: C1616 - Control
Control Type: 013

Emission Source/Control: C1618 - Control
Control Type: 013

Emission Source/Control: C4000 - Control
Control Type: 014

Emission Source/Control: C5000 - Control
Control Type: 014

Emission Source/Control: C6000 - Control
Control Type: 014

Emission Source/Control: S1530 - Process

Emission Source/Control: S1541 - Process

Emission Source/Control: S1545 - Process



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Emission Source/Control: S1547 - Process

Emission Source/Control: S1567 - Process

Emission Source/Control: S1593 - Process

Emission Source/Control: S4000 - Process

Emission Source/Control: S5000 - Process

Emission Source/Control: S6000 - Process

Item 37.2(From Mod 3):

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

Emission Unit: U-00001

Process: EC2

Source Classification Code: 3-05-008-99

Process Description:

LIGHT DUTY DIESEL CERAMIC FILTER PRODUCTION
LINE USING A VARIETY OF CERAMIC RAW
MATERIAL COMPOSITIONS.

Emission Source/Control: C0002 - Control
Control Type: 016

Emission Source/Control: C0003 - Control
Control Type: 127

Emission Source/Control: C0099 - Control
Control Type: 016

Emission Source/Control: CECP1 - Control
Control Type: 014

Emission Source/Control: S0001 - Process

Emission Source/Control: S0002 - Process

Emission Source/Control: S0003 - Process

Emission Source/Control: S0004 - Process

Emission Source/Control: S0005 - Process

Emission Source/Control: S0006 - Process



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Emission Source/Control: S0007 - Process

Emission Source/Control: S1613 - Process

Item 37.3(From Mod 3):

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

Emission Unit: U-00002

Process: D01

Source Classification Code: 3-05-008-99

Process Description:

THIS PROCESS INVOLVES THE CUTTING,
CONTOURING, DRYING, FIRING AND REUSE OF
GROUND CERAMICS FOR THE DIESEL CERAMIC
FILTER PRODUCTION.

Emission Source/Control: C0013 - Control
Control Type: 016

Emission Source/Control: C0014 - Control
Control Type: 016

Emission Source/Control: C0015 - Control
Control Type: 016

Emission Source/Control: C0046 - Control
Control Type: 021

Emission Source/Control: C1601 - Control
Control Type: 021

Emission Source/Control: C1614 - Control
Control Type: 016

Emission Source/Control: S1595 - Process

Emission Source/Control: S1601 - Process

Emission Source/Control: S1602 - Process

Emission Source/Control: S1610 - Process

Emission Source/Control: S1614 - Process

Item 37.4(From Mod 3):

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

Emission Unit: U-00004



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Process: CL1

Source Classification Code: 3-05-008-02

Process Description:

THIS PROCESS INCLUDES SOURCES ASSOCIATED WITH THE COOK LINE FINISHING AND MATERIAL REUSE AS WELL AS AN ASSOCIATED HOUSEKEEPING VACUUM SYSTEM.

Emission Source/Control: C0009 - Control

Control Type: 016

Emission Source/Control: C0012 - Control

Control Type: 016

Emission Source/Control: S1546 - Process

Emission Source/Control: S1608 - Process

Item 37.5(From Mod 3):

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

Emission Unit: U-00005

Process: CS1

Source Classification Code: 3-05-008-99

Process Description:

THIS PROCESS INCLUDES THE USE OF CERAMIC FILTER DEVELOPMENT EQUIPMENT FOR R&D AND NON-R&D OPERATIONS.

Emission Source/Control: C0011 - Control

Control Type: 016

Emission Source/Control: C1650 - Control

Control Type: 016

Emission Source/Control: C1652 - Control

Control Type: 021

Emission Source/Control: C1656 - Control

Control Type: 127

Emission Source/Control: S1604 - Process

Emission Source/Control: SCM01 - Process

Emission Source/Control: SCM02 - Process

Emission Source/Control: SCM03 - Process



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Emission Source/Control: SCM04 - Process

Emission Source/Control: SCM08 - Process

Item 37.6(From Mod 3):

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

Emission Unit: U-00005

Process: CS2

Source Classification Code: 3-05-008-99

Process Description: MISCELLANEOUS PILOT AND SAMPLE KILNS.

Emission Source/Control: C0011 - Control

Control Type: 016

Emission Source/Control: C1653 - Control

Control Type: 021

Emission Source/Control: C1654 - Control

Control Type: 021

Emission Source/Control: C1655 - Control

Control Type: 021

Emission Source/Control: S1604 - Process

Emission Source/Control: SCM05 - Process

Emission Source/Control: SCM06 - Process

Emission Source/Control: SCM07 - Process

Condition 2-3: Compliance Certification

Effective between the dates of 07/30/2003 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 2-3.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 2-3.2:

Compliance Certification shall include the following monitoring:

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Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



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 3-17: Compliance Certification

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 3-17.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Item 3-17.2:



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Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The dryer emission control devices (C4000, C5000, C6000, and CECPI) 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 an 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: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2006.

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

Condition 2-5: Compliance Certification

Effective between the dates of 07/30/2003 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 2-5.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Item 2-5.2:

Compliance Certification 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

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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 3-18: Compliance Certification

Effective between the dates of 02/07/2006 and 07/17/2006

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

Replaces Condition(s) 2-6

Item 3-18.1:

The Compliance Certification activity will be performed for:

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Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 3-18.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Corning shall maintain the following records for this unit:

1. Batch size of each cycle fired
2. VOC and fluoride content of each cycle fired
3. Duration of each cycle fired
4. Firing time and temperature of Kilns S1530 and S0003.
5. Operating time of control equipment C157A, C157B, C157C, C0003, C1616, and C1618
6. Operating temperature of control equipment C157A, C157B, C157C, and C0003.

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 7/30/2006.

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

Condition 2-7: Compliance Certification

Effective between the dates of 07/30/2003 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 231-2

Item 2-7.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

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

Item 2-7.2:

Compliance Certification shall include the following monitoring:



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

Monitoring Description:

The NOx emissions from this unit shall not exceed 44.88 tons per year on a 12-month rolling basis. Corning shall monitor NOx emissions using emission factors and gas consumption data and record the 12-month rolling NOx emissions on a monthly basis. All source specific emission factors used in the NOx emission calculations are subject to Department's approval.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 44.88 tons per year

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 1/30/2004.

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

Condition 2-8: Compliance Certification
Effective between the dates of 07/30/2003 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 231-2

Item 2-8.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 2-8.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The VOC emissions from this unit shall not exceed 61.2 tons per year on a 12-month rolling basis. Corning shall monitor VOC emissions using mass balance calculation and record the 12-month rolling VOC emissions on a monthly basis. All source specific emission factors used in the mass balance calculation are subject to Department's

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approval.

Parameter Monitored: VOC
Upper Permit Limit: 61.2 tons per year
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 1/30/2004.
Subsequent reports are due every 6 calendar month(s).

Condition 3-19: Compliance Certification
Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 231-2

Replaces Condition(s) 2-9

Item 3-19.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Item 3-19.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Corning shall maintain the following records for this unit:

1. The total number of kiln cycles per month with a indication of their individual durations.
2. The mass of batch material per cycle.
3. The highest volatile organic content of each type of batch material.
4. The fluoride content of the raw materials used by the facility, measured and recorded semiannually.
5. Total natural gas usage for this unit.

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 7/30/2006.

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

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Condition 2-10: Compliance Certification

Effective between the dates of 07/30/2003 and 07/17/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 2-10.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

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

Item 2-10.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The PM-10 emissions from this unit shall not exceed 17.95 tons per year on a 12 month rolling basis. Corning shall monitor emissions of PM-10 using mass balance calculation and record 12 month rolling PM-10 emissions on a monthly basis. All PM shall be considered PM-10 unless Corning can provide data indicating that a portion of the emitted PM is greater than 10 microns in diameter. All source specific emission factors used in the mass balance calculation are subject to Department's approval.

Parameter Monitored: PM-10

Upper Permit Limit: 17.95 tons per year

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 1/30/2004.

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

Condition 2-11: Compliance Certification

Effective between the dates of 07/30/2003 and 07/17/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 2-11.1:

The Compliance Certification activity will be performed for:

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Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 2-11.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Corning shall perform tests to verify the flow rates used in the particulates calculations for this unit. In addition, manufacturer's documentation on the control efficiency of the particulate control equipment of this unit must be provided to NYSDEC to verify the control efficiency used in the particulates calculations. Stack tests may be required if the information provided is insufficient to support the control efficiency claim.

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 2-12: Compliance Certification

Effective between the dates of 07/30/2003 and 07/17/2006

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 2-12.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 2-12.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The total particulates emissions from this unit shall not



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exceed 27.95 tons per year on a 12-month rolling basis. Corning shall monitor emissions of total particulates using mass balance calculation and record the 12-month rolling particulates emissions on a monthly basis. All source specific emission factors used in the mass balance calculation are subject to Department's approval.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 27.95 tons per year
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 1/30/2004.
Subsequent reports are due every 6 calendar month(s).

Condition 3-20: Compliance Certification

Effective between the dates of 02/07/2006 and 07/17/2006

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

Replaces Condition(s) 2-13

Item 3-20.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: CK1 Emission Source: S1530

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

Item 3-20.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The exhaust from kilns No(s). 1-6 shall be discharged through a thermal oxidizer (C157A or C157B or C157C) during the time period that corresponds to the VOC emitting period of each firing cycle. An overall VOC reduction of 81% shall be achieved through a combination of kiln burners and the thermal oxidizer to maintain compliance with Part 212.10(c)(4)(i). Corning shall determine the VOC emitting period for each kiln firing cycle based on the organic burnout period (as defined by

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Lower Flammability Level "LFL Data"), and emissions test data.

Additionally emissions from S1530 kilns that are used to pre-bake ceramic ware will be directed to a thermal oxidizer control device (C157A or C157B or C157C) for its entire pre-bake period in order to achieve greater than 81% overall VOC reduction efficiency.

The VOC control periods of the existing firing cycles are established in the Corning Inc. Erwin Manufacturing Complex Control Period Matrix. Corning shall operate the thermal oxidizers in accordance with the VOC control period for each firing cycle as specified in this document. The control periods may be altered based on new stack test information. Changes involving the addition of new firing cycles or changes that affect the control periods for existing firing cycles will have new or revised control periods established in advance. Corning shall establish new or revised control periods using LFL data as a means of defining the kiln temperature range which corresponds to the level of control necessary to achieve an 81% overall VOC reduction. The following records shall be maintained on site for five years and made available to the Department upon request:

- (1) Documentation of each control period determination
- (2) Documentation that the appropriate control period has been used for each firing
- (3) Documentation of the addition of new firing cycles and the changes of existing firing cycles.

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 7/30/2006.

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

Condition 3-21: RACT

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.10(f)



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Item 3-21.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0001

Item 3-21.2:

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 3-22: Compliance Certification

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 3-22.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0002
Process: EC2 Emission Source: C0002

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

Item 3-22.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to demonstrate compliance with the 6 NYCRR Part 212.4(c) particulate limit of 0.05 grain/dscf, when Emission Source S0002 is operational, the pressure drop across the dust collector (Control Device No. C0002) will be monitored at least once per week and maintained between 0.2 and 7.5 inches of water. This pressure drop range shall not apply during periods of start-up following filter replacement. If the pressure drop recorded during normal operation is outside of this range, Corning shall inspect the dust collector and initiate corrective action as necessary. Pressure drop readings and maintenance records shall be kept on site and made available to the Department upon request.



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Parameter Monitored: PRESSURE CHANGE
Lower Permit Limit: 0.2 inches of water
Upper Permit Limit: 7.5 inches of water
Monitoring Frequency: WEEKLY
Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED RANGE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 2-14: Compliance Certification

Effective between the dates of 07/30/2003 and 07/17/2006

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

Item 2-14.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0003
Process: EC2 Emission Source: C0003

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

Item 2-14.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to ensure compliance with the Part 212.10(c)(4)(i) requirement of overall removal efficiency of at least 81% for VOC, the combustion chamber temperature of thermal oxidizer C0003 shall be monitored continuously and maintained above 1280 degrees F. The temperature limitation may be altered based on new stack testing data.

Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1280 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2004.



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

Condition 3-23: Compliance Certification

Effective between the dates of 02/07/2006 and 07/17/2006

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

Replaces Condition(s) 2-15

Item 3-23.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E0003
Process: EC2 Emission Source: C0003

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

Item 3-23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The exhaust from Kiln No. DSK (formerly E-1) shall be discharged through thermal oxidizer C0003 during the time period that corresponds to the VOC emitting period of each firing cycle. An overall VOC reduction of 81% shall be achieved through a combination of kiln burners and the thermal oxidizer to maintain compliance with Part 212.10(c)(4)(i). Corning shall determine the VOC emitting period for each kiln firing cycle based on the organic burnout period (as defined by Lower Flammability Level "LFL Data"), and emissions test data.

The VOC control periods of the existing firing cycles are established in the Corning Inc. Erwin Manufacturing Complex Control Period Matrix. Corning shall operate the thermal oxidizers in accordance with the VOC control period for each firing cycle as specified in this document. The control periods may be altered based on new stack test information. Changes involving the addition of new firing cycles or changes that affect the control periods for existing firing cycles will have new or revised control periods established in advance. Corning shall establish new or revised control periods using LFL data as a means of defining the kiln temperature range which corresponds to the level of control necessary to achieve an 81% overall VOC reduction. The following



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records shall be maintained on site for five years and made available to the Department upon request:

- (1) Documentation of each control period determination

- (2) Documentation that the appropriate control period has been used for each firing

- (3) Documentation of the addition of new firing cycles and the changes of existing firing cycles.

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 7/30/2006.

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

Condition 3-24: RACT

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.10(f)

Item 3-24.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0004

Item 3-24.2:

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 3-25: RACT

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.10(f)

Item 3-25.1:



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This Condition applies to Emission Unit: U-00001 Emission Point: E0005

Item 3-25.2:

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 3-26: RACT

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.10(f)

Item 3-26.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0006

Item 3-26.2:

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 3-27: RACT

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.10(f)

Item 3-27.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0007

Item 3-27.2:

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

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Condition 3-28: Compliance Certification

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 3-28.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E1541
Process: CK1 Emission Source: C0001

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

Item 3-28.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to demonstrate compliance with the 6 NYCRR Part 212.4(c) particulate limit of 0.05 grain/dscf, when Emission Source S1541 is operational, the pressure drop across the dust collector (Control Device No. C0001) will be monitored at least once per week and maintained between 0.2 and 8 inches of water. This pressure drop range shall not apply during periods of start-up following filter replacement. If the pressure drop recorded during normal operation is outside of this range, Corning shall inspect the dust collector and initiate corrective action as necessary. Pressure drop readings and maintenance records shall be kept on site and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE
Lower Permit Limit: 0.2 inches of water
Upper Permit Limit: 8 inches of water
Monitoring Frequency: WEEKLY
Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED
RANGE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 3-29: Compliance Certification



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Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 3-29.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E1545
Process: CK1 Emission Source: C1545

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

Item 3-29.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to demonstrate compliance with the 6 NYCRR Part 212.4(c) particulate limit of 0.05 grain/dscf, when Emission Source S1545 is operational, the pressure drop across the dust collector (Control Device No. C1545) will be monitored at least once per week and maintained between 0.2 and 8 inches of water. This pressure drop range shall not apply during periods of start-up following filter replacement. If the pressure drop recorded during normal operation is outside of this range, Corning shall inspect the dust collector and initiate corrective action as necessary. Pressure drop readings and maintenance records shall be kept on site and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE
Lower Permit Limit: 0.2 inches of water
Upper Permit Limit: 8 inches of water
Monitoring Frequency: WEEKLY
Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED
RANGE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 3-30: Compliance Certification

Effective between the dates of 02/07/2006 and 07/17/2006



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Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 3-30.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E1547
Process: CK1 Emission Source: S1547

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

Item 3-30.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to demonstrate compliance with the 6 NYCRR Part 212.4(c) particulate limit of 0.05 grain/dscf, when Emission Source S1547 is operational, the pressure drop across the dust collector (Control Device No. C1547) will be monitored at least once per week and maintained between 0 and 8 inches of water. This pressure drop range shall not apply during periods of start-up following filter replacement. If the pressure drop recorded during normal operation is outside of this range, Corning shall inspect the dust collector and initiate corrective action as necessary. Pressure drop readings and maintenance records shall be kept on site and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE
Lower Permit Limit: 0 inches of water
Upper Permit Limit: 8 inches of water
Monitoring Frequency: WEEKLY
Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED
RANGE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 3-31: Compliance Certification

Effective between the dates of 02/07/2006 and 07/17/2006

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



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Item 3-31.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E157A
Process: CK1 Emission Source: C157A

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

Item 3-31.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to ensure compliance with the Part 212.10(c)(4)(i) requirement for overall removal efficiency of at least 81% for VOC, the combustion chamber temperature of thermal oxidizer C157A shall be monitored continuously and maintained above 1370 degrees F. The temperature limitation may be altered based on new stack testing data.

Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1370 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 5 MINUTES
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 2-17: Compliance Certification

Effective between the dates of 07/30/2003 and 07/17/2006

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

Item 2-17.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E157B
Process: CK1 Emission Source: C157B

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



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Item 2-17.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to ensure compliance with the Part 212.10(c)(4)(i) requirement of overall removal efficiency of at least 81% for VOC, the combustion chamber temperature of thermal oxidizer C157B shall be monitored continuously and maintained above 1400 degrees F. The temperature limitation may be altered based on new stack testing data.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1400 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 5
MINUTES

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 3-32: Compliance Certification

Effective between the dates of 02/07/2006 and 07/17/2006

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

Item 3-32.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E157C
Process: CK1 Emission Source: C157C

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 3-32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to demonstrate compliance with the Part 212.10(c)(4)(i) requirement for overall removal efficiency of at least 81% for VOC, Corning shall conduct stack testing for thermal oxidizer C157C within 60 days of its



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start-up. The testing shall be conducted to determine the overall VOC removal efficiency and the operating temperature of the oxidizer. Corning shall follow the notification and reporting requirements for emissions testing as specified in 6 NYCRR Part 202-1.2 and part 202-1.3. Corning shall submit a stack test protocol for the Department's approval not less than 30 days prior to the test. Corning shall submit the stack test report including the information on the operating temperature for oxidizer C157C, to the Department within 60 days after the completion of the testing.

Lower Permit Limit: 81 percent

Reference Test Method: 40CFR60

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2006.

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

Condition 3-33: Compliance Certification

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 3-33.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E1593

Process: CK1 Emission Source: C1593

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 3-33.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to demonstrate compliance with the 6 NYCRR Part 212.4(c) particulate limit of 0.05 grain/dscf, when Emission Source S1593 is operational, the pressure drop across the dust collector (Control Device No. C1593) will



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be monitored at least once per week and maintained between 0.2 and 7.5 inches of water. This pressure drop range shall not apply during periods of start-up following filter replacement. If the pressure drop recorded during normal operation is outside of this range, Corning shall inspect the dust collector and initiate corrective action as necessary. Pressure drop readings and maintenance records shall be kept on site and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 0.2 inches of water

Upper Permit Limit: 7.5 inches of water

Monitoring Frequency: WEEKLY

Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED RANGE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2006.

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

Condition 3-34: Compliance Certification

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 3-34.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E1613

Process: EC2 Emission Source: C0099

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 3-34.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to demonstrate compliance with the 6 NYCRR Part 212.4(c) particulate limit of 0.05 grain/dscf, when Emission Source S1613 is operational, the pressure drop across the dust collector (Control Device No. C0099) will be monitored at least once per week and maintained between 0.2 and 8 inches of water. This pressure drop range shall



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not apply during periods of start-up following filter replacement. If the pressure drop recorded during normal operation is outside of this range, Corning shall inspect the dust collector and initiate corrective action as necessary. Pressure drop readings and maintenance records shall be kept on site and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 0.2 inches of water

Upper Permit Limit: 8 inches of water

Monitoring Frequency: WEEKLY

Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED RANGE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2006.

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

**Condition 3-35: RACT analysis not required for emission points less than 3 lb/hr VOC or NOx
Effective between the dates of 02/07/2006 and 07/17/2006**

Applicable Federal Requirement: 6NYCRR 212.10(c)(1)

Item 3-35.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E4000
Process: CK1

Item 3-35.2:

A reasonably available control technology (RACT) analysis is not required for emission points with nitrogen oxide and volatile organic compound emission rate potentials less than 3.0 pounds per hour at facilities located outside of the lower Orange County and New York City metropolitan areas.

**Condition 3-36: RACT analysis not required for emission points less than 3 lb/hr VOC or NOx
Effective between the dates of 02/07/2006 and 07/17/2006**

Applicable Federal Requirement: 6NYCRR 212.10(c)(1)

Item 3-36.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E5000
Process: CK1

Item 3-36.2:

A reasonably available control technology (RACT) analysis is not required for emission points with nitrogen oxide and volatile organic compound emission rate potentials less than 3.0 pounds per hour at



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facilities located outside of the lower Orange County and New York City metropolitan areas.

**Condition 3-37: RACT analysis not required for emission points less than 3 lb/hr VOC or NOx
Effective between the dates of 02/07/2006 and 07/17/2006**

Applicable Federal Requirement: 6NYCRR 212.10(c)(1)

Item 3-37.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E6000
Process: CK1

Item 3-37.2:

A reasonably available control technology (RACT) analysis is not required for emission points with nitrogen oxide and volatile organic compound emission rate potentials less than 3.0 pounds per hour at facilities located outside of the lower Orange County and New York City metropolitan areas.

Condition 2-18: Compliance Certification

Effective between the dates of 07/30/2003 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 2-18.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 2-18.2:

Compliance Certification 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

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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 2-20: Compliance Certification

Effective between the dates of 07/30/2003 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 2-20.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Item 2-20.2:

Compliance Certification 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



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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 3-38: Compliance Certification

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

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Item 59.2:

A reasonably available control technology (RACT) analysis is not required for emission points with nitrogen oxide and volatile organic compound emission rate potentials less than 3.0 pounds per hour at facilities located outside of the lower Orange County and New York City metropolitan areas.

Condition 3-40: RACT analysis not required for emission points less than 3 lb/hr VOC or NOx

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.10(c)(1)

Item 3-40.1:

This Condition applies to Emission Unit: U-00002 Emission Point: E1601
Process: D01

Item 3-40.2:

A reasonably available control technology (RACT) analysis is not required for emission points with nitrogen oxide and volatile organic compound emission rate potentials less than 3.0 pounds per hour at facilities located outside of the lower Orange County and New York City metropolitan areas.

Condition 3-41: RACT analysis not required for emission points less than 3 lb/hr VOC or NOx

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.10(c)(1)

Item 3-41.1:

This Condition applies to Emission Unit: U-00002 Emission Point: E1602
Process: D01

Item 3-41.2:

A reasonably available control technology (RACT) analysis is not required for emission points with nitrogen oxide and volatile organic compound emission rate potentials less than 3.0 pounds per hour at facilities located outside of the lower Orange County and New York City metropolitan areas.

Condition 3-42: Compliance Certification

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 3-42.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E1610
Process: D01 Emission Source: C0013



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Facility DEC ID: 8464200009

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 3-42.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to demonstrate compliance with the 6 NYCRR Part 212.4(c) particulate limit of 0.05 grain/dscf, when Emission Source S1610 is operational, the pressure drop across the dust collector (Control Device No. C0013) will be monitored at least once per week and maintained between 0.2 and 7.5 inches of water. This pressure drop range shall not apply during periods of start-up following filter replacement. If the pressure drop recorded during normal operation is outside of this range, Corning shall inspect the dust collector and initiate corrective action as necessary. Pressure drop readings and maintenance records shall be kept on site and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 0.2 inches of water

Upper Permit Limit: 7.5 inches of water

Monitoring Frequency: WEEKLY

Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED
RANGE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2006.

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

Condition 3-43: Compliance Certification

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 3-43.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E1614

Process: D01 Emission Source: C1614

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES



Item 3-43.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to demonstrate compliance with the 6 NYCRR Part 212.4(c) particulate limit of 0.05 grain/dscf, when Emission Source S1614 is operational, the pressure drop across the dust collector (Control Device No. C1614) will be monitored at least once per week and maintained between 0.2 and 7.5 inches of water. This pressure drop range shall not apply during periods of start-up following filter replacement. If the pressure drop recorded during normal operation is outside of this range, Corning shall inspect the dust collector and initiate corrective action as necessary. Pressure drop readings and maintenance records shall be kept on site and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 0.2 inches of water

Upper Permit Limit: 7.5 inches of water

Monitoring Frequency: WEEKLY

Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED
RANGE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2006.

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

Condition 2-24: Compliance Certification

Effective between the dates of 07/30/2003 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 2-24.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 2-24.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



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 2-26: Compliance Certification

Effective between the dates of 07/30/2003 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 2-26.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



Item 2-26.2:

Compliance Certification 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.



New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

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 3-44: Compliance Certification

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 3-44.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004 Emission Point: E1546
Process: CL1 Emission Source: C0009

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 3-44.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to demonstrate compliance with the 6 NYCRR Part 212.4(c) particulate limit of 0.05 grain/dscf, when Emission Source S1546 is operational, the pressure drop across the dust collector (Control Device No. C0009) will be monitored at least once per week and maintained between 1 and 7 inches of water. This pressure drop range shall not apply during periods of start-up following filter replacement. If the pressure drop recorded during normal operation is outside of this range, Corning shall inspect the dust collector and initiate corrective action as necessary. Pressure drop readings and maintenance records shall be kept on site and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 1 inches of water

Upper Permit Limit: 7 inches of water



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Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

Monitoring Frequency: WEEKLY
Averaging Method: ONE CONTINUOUS 6-MINUTE PERIOD PER HOUR
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 3-45: Compliance Certification
Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 3-45.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004 Emission Point: E1608
Process: CL1 Emission Source: C0012

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

Item 3-45.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to demonstrate compliance with the 6 NYCRR Part 212.4(c) particulate limit of 0.05 grain/dscf, when Emission Source S1608 is operational, the pressure drop across the dust collector (Control Device No. C0012) will be monitored at least once per week and maintained between 0.2 and 8 inches of water. This pressure drop range shall not apply during periods of start-up following filter replacement. If the pressure drop recorded during normal operation is outside of this range, Corning shall inspect the dust collector and initiate corrective action as necessary. Pressure drop readings and maintenance records shall be kept on site and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE
Lower Permit Limit: 0.2 inches of water
Upper Permit Limit: 8 inches of water
Monitoring Frequency: WEEKLY
Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED



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RANGE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2006.

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

Condition 2-27: Compliance Certification

Effective between the dates of 07/30/2003 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 2-27.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00005

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 2-27.2:

Compliance Certification 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

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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 2-29: Compliance Certification

Effective between the dates of 07/30/2003 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 2-29.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00005

Item 2-29.2:

Compliance Certification 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

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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 3-46: Compliance Certification

Effective between the dates of 02/07/2006 and 07/17/2006

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

Replaces Condition(s) 71

Item 3-46.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00005

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 3-46.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Within 90 days of the start-up of a production scenario that entails a load of un-fired ceramic ware (i.e., a "First Firing") in the U00005 kilns, Corning shall conduct stack tests for Prototype MAFG Kiln, PN Sample Kiln 1 or 2, PN Pilot Production Kiln, and EK2 Kiln to determine the afterburner operating temperature and kiln temperature/afterburner control period during each cycle necessary to achieve 81% VOC control efficiency. A proposed test program must be submitted prior to the tests for NYSDEC approval. Within 60 days after the completion of the tests, the information on the afterburner operating temperature and kiln temperature/afterburner control period for each firing cycle shall be submitted to NYSDEC to be added as conditions of this permit.

Parameter Monitored: VOC

Lower Permit Limit: 81 percent

Reference Test Method: 40CFR60 Methods

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 3-47: Compliance Certification

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 3-47.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00005 Emission Point: E1604

Process: CS1 Emission Source: C0011

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 3-47.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to demonstrate compliance with the 6 NYCRR Part



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212.4(c) particulate limit of 0.05 grain/dscf, when Emission Source S1604 is operational, the pressure drop across the dust collector (Control Device No. C0011) will be monitored at least once per week and maintained between 0.2 and 7.5 inches of water. This pressure drop range shall not apply during periods of start-up following filter replacement. If the pressure drop recorded during normal operation is outside of this range, Corning shall inspect the dust collector and initiate corrective action as necessary. Pressure drop readings and maintenance records shall be kept on site and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE
Lower Permit Limit: 0.2 inches of water
Upper Permit Limit: 7.5 inches of water
Monitoring Frequency: WEEKLY
Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED RANGE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 3-48: Compliance Certification
Effective between the dates of 02/07/2006 and 07/17/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 3-48.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00005 Emission Point: E1650
Process: CS1 Emission Source: C1650

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

Item 3-48.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to demonstrate compliance with the 6 NYCRR Part 212.4(c) particulate limit of 0.05 grain/dscf, when Emission Sources SCM01 and SCM04 are operational, the



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pressure drop across the dust collector (Control Device No. C1650) will be monitored at least once per week and maintained between 0.2 and 7.5 inches of water. This pressure drop range shall not apply during periods of start-up following filter replacement. If the pressure drop recorded during normal operation is outside of this range, Corning shall inspect the dust collector and initiate corrective action as necessary. Pressure drop readings and maintenance records shall be kept on site and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 0.2 inches of water

Upper Permit Limit: 7.5 inches of water

Monitoring Frequency: WEEKLY

Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED RANGE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2006.

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

**Condition 72: RACT analysis not required for emission points less than 3 lb/hr VOC or NOx
Effective between the dates of 07/17/2001 and 07/17/2006**

Applicable Federal Requirement: 6NYCRR 212.10(c)(1)

Item 72.1:

This Condition applies to Emission Unit: U-00005 Emission Point: E1651
Process: CS1 Emission Source: SCM02

Item 72.2:

A reasonably available control technology (RACT) analysis is not required for emission points with nitrogen oxide and volatile organic compound emission rate potentials less than 3.0 pounds per hour 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: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 1-7: Contaminant List
Effective between the dates of 01/09/2003 and 07/17/2006

Applicable State Requirement: ECL 19-0301

Item 1-7.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this

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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: 0NY075-00-5
Name: PM-10

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

Condition 1-8: Unavoidable noncompliance and violations
Effective between the dates of 01/09/2003 and 07/17/2006

Applicable State Requirement: 6NYCRR 201-1.4

Item 1-8.1:

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



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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 75: Air pollution prohibited
Effective between the dates of 07/17/2001 and 07/17/2006

Applicable State Requirement: 6NYCRR 211.2

Item 75.1:

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

Condition 3-49: Compliance Demonstration
Effective between the dates of 02/07/2006 and 07/17/2006

Applicable State Requirement: 6NYCRR 212.4(a)

Item 3-49.1:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 3-49.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



Monitoring Description:

Corning has demonstrated that the ambient impact of the hydrogen fluoride (HF) emissions from the facility does not exceed the Part 257-8 ambient fluoride standard, based on a dispersion modeling report submitted to the Department in August 2004. The dispersion model accounted for maximum facility-wide HF emissions given currently known operating conditions. In the event that source operating conditions change in a manner that will produce 12-hour HF emissions that are greater than those represented in the August 2004 model, Corning shall update the dispersion model to demonstrate that the new HF emission scenario continues to be in compliance with the Part 257-8 fluoride standard. Corning will maintain records of all revised dispersion modeling results on-site, and make the results available for the Department's inspection upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2006.

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

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

**Condition 76: Emissions from new emission sources and/or modifications
Effective between the dates of 07/17/2001 and 07/17/2006**

Applicable State Requirement: 6NYCRR 212.4(a)

Item 76.1:

This Condition applies to Emission Unit: U-00001

Item 76.2:

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 2-32: Compliance Demonstration

Effective between the dates of 07/30/2003 and 07/17/2006

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



Applicable State Requirement: 6NYCRR 212.4(a)

Item 2-32.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Process: CK1

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 2-32.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Corning shall operate and maintain the hydrogen fluoride scrubbers C1616 and C1618 consistent with good engineering practice, and in accordance with manufacturer's recommendations. The level of scrubbing media(limestone) in the device must be increased immediately should the low level alarm be triggered. Corning 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 3-50: Compliance Demonstration

Effective between the dates of 02/07/2006 and 07/17/2006

Applicable State Requirement: 6NYCRR 212.4(a)

Item 3-50.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Process: CK1

Emission Source: S1530

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE



New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

Item 3-50.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

During high fluorine firing cycle where fluorine content is greater than or equal to 0.066% lb F/lb ware, the exhaust from Kilns Nos. 1-6 shall be discharged through a HF scrubber (C1616 or C1618) during the time period that corresponds to the HF emitting period of each cycle. The HF control periods of the existing firing cycles are established in the Corning Inc. Erwin Manufacturing Complex Control Period Matrix. Corning shall operate the HF scrubbers in accordance with the HF control period for each firing cycle as specified in this document. The control periods may be altered based on new stack test information. Changes involving the addition of new firing cycles or changes that affect the control periods for existing firing cycles will have new or revised control periods established in advance. The following records shall be maintained on site for five years and made available to the Department upon request:

- (1) Documentation of each control period determination
- (2) Documentation that the appropriate control period has been used for each firing
- (3) Documentation of the addition of new firing cycles and the changes of existing firing cycles.

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 7/30/2006.

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

Condition 77: Emissions from new emission sources and/or modifications Effective between the dates of 07/17/2001 and 07/17/2006

Applicable State Requirement: 6NYCRR 212.4(a)

Item 77.1:

This Condition applies to Emission Unit: U-00002

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



Item 77.2:

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 3-51: Emissions from new emission sources and/or modifications
Effective between the dates of 02/07/2006 and 07/17/2006**

Applicable State Requirement: 6NYCRR 212.4(a)

Item 3-51.1:

This Condition applies to Emission Unit: U-00004

Item 3-51.2:

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 79: Emissions from new emission sources and/or modifications
Effective between the dates of 07/17/2001 and 07/17/2006**

Applicable State Requirement: 6NYCRR 212.4(a)

Item 79.1:

This Condition applies to Emission Unit: U-00005

Item 79.2:

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.