



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 8-4642-00009/00109
Effective Date: 06/26/2012 Expiration Date: 06/25/2017

Permit Issued To: CORNING INC
HP-ME-02-06
CORNING, NY 14831

Contact: ANGELA KNIGHT
HP-ME-02-06
CORNING, NY 14831
(607) 974-6518

Facility: ERWIN MANUFACTURING COMPLEX
792 ADDISON RD - S HAMILTON RD
PAINTED POST, NY 14870

Contact: GARY DERICHIE
CORNING INC
ER-EJ-01
CORNING, NY 14831

Description:
Renewal and modification of the Title V Facility Permit for the Erwin Manufacturing Complex, last modified effective September 4, 2008.

The Erwin Manufacturing Complex manufactures ceramic filter substrates for catalytic emission control units for gasoline and diesel engines, and meets the definition of a Major Source in 6 NYCRR Part 201-2.1(b)(21)(i). It is subject to Part 201-6 requirements for a Title V Facility Permit due to potential emissions of total particulate matter (PM), particulates smaller than 10 microns (PM-10), particulates smaller than 2.5 microns (PM-2.5), and carbon monoxide (CO), in excess of 100 tons per year each, and volatile organic compounds (VOC) in excess of 50 tons per year.

The Erwin Manufacturing Complex also meets the definition of a Major Source in Part 201-2.1(b)(21)(v) for applicability of Part 231 Prevention of Significant Deterioration (PSD) requirements due to potential emissions of PM, PM-10, and PM-2.5 greater than 250 tons per year each.

Facility Emission Units include:

U-00001, venting capped Cook and Light Duty Diesel ceramic filter production line processes with emission limits unchanged from the initial Title V Permit;



U-00002, venting uncapped Cook and Light Duty Diesel ceramic filter production operations; and
U-00005, venting processes which may alternate between exempt research and development operations, and non-exempt production operations.

Changes from the previous permit effective September 4, 2008 include:

Addition of a new Emission Unit U-00006, consisting of 2 diesel and 3 natural gas powered emergency generators, two 14.6 million BTU per hour natural gas fired boilers, and a diesel powered fire pump engine;
Addition of a new Emission Unit U-00007, consisting of additional ceramic filter forming and finishing lines; and
Addition of a new Emission Unit U-00008, consisting of two oil storage tanks.

This Permit includes conditions to limit emissions of PM, PM-10, and PM-2.5 from the new Emission Unit U-00007 ceramic filter forming and finishing lines to below the Part 231-8 Significant Project Thresholds of 25, 15, and 10 tons per year respectively.

This permit also maintains unchanged the facility-wide limit on Hazardous Air Pollutant (HAP) emissions, limiting emissions of hydrogen chloride to 9.9 tons per year, and total emissions of all HAP combined to 24.9 tons per year, below the 40 CFR Part 63 Maximum Achievable Control Technology (MACT) major source thresholds of 10 tons per year for any individual HAP and 25 tons per year for all HAP combined.

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: SCOTT SHEELEY
NYS DEC
6274 E AVON-LIMA RD
AVON, NY 14414

Authorized Signature: _____ Date: ___ / ___ / ___



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of application for permit modification or renewal-REGION 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 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be



submitted prior to actual transfer of ownership.

Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:

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

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

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

Condition 5: Submission of application for permit modification or renewal-REGION 8 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

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

NYSDEC Regional Permit Administrator
Region 8 Headquarters
Division of Environmental Permits
6274 Avon-Lima Road
Avon, NY 14414-9519
(585) 226-2466

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: CORNING INC
HP-ME-02-06
CORNING, NY 14831

Facility: ERWIN MANUFACTURING COMPLEX
792 ADDISON RD - S HAMILTON RD
PAINTED POST, NY 14870

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

Permit Effective Date: 06/26/2012

Permit Expiration Date: 06/25/2017



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.5 (a) (7): Fees
- 3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
- 4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.5 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
- 16 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
- 17 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
- 18 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
- 19 6 NYCRR 202-1.1: Required Emissions Tests
- 20 40 CFR Part 68: Accidental release provisions.
- 21 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 22 6 NYCRR Subpart 201-6: Emission Unit Definition
- 23 6 NYCRR 201-6.5 (f): Compliance Certification
- 24 6 NYCRR 201-6.5 (g): Compliance Certification
- 25 6 NYCRR 201-6.5 (g): Non Applicable requirements
- 26 6 NYCRR 201-7.2: Facility Permissible Emissions
- *27 6 NYCRR 201-7.2: Capping Monitoring Condition
- *28 6 NYCRR 201-7.2: Capping Monitoring Condition
- 29 6 NYCRR 211.1: Air pollution prohibited
- 30 6 NYCRR 212.4 (c): Compliance Certification
- 31 6 NYCRR 212.6 (a): Compliance Certification
- 32 6 NYCRR 212.6 (a): Compliance Certification
- 33 6 NYCRR 212.10 (f): Compliance Certification
- 34 6 NYCRR 212.11 (a): Sampling and Monitoring
- 35 6 NYCRR 225-1.2 (a) (2): Compliance Certification
- 36 6 NYCRR Part 226: Compliance Certification
- 37 40CFR 60, NSPS Subpart A: Applicability of Subpart A General Provisions
- 38 40CFR 60.4206, NSPS Subpart III: Duration of emission standards for new stationary compression ignition IC engines
- 39 40CFR 60.4218, NSPS Subpart III: General Provisions
- 40 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification
- 41 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification
- 42 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification



- 43 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification
- 44 40CFR 60.672(e)(1), NSPS Subpart OOO: Compliance Certification
- 45 40CFR 60.673, NSPS Subpart OOO: Compliance Certification
- 46 40CFR 60.674(c), NSPS Subpart OOO: Compliance Certification
- 47 40CFR 60.674(d), NSPS Subpart OOO: Compliance Certification
- 48 40CFR 60.675, NSPS Subpart OOO: Test methods and procedures
- 49 40CFR 60.676(a), NSPS Subpart OOO: Reporting and Recordkeeping for Replacement of Equipment
- 50 40CFR 60.676(b)(1), NSPS Subpart OOO: Compliance Certification
- 51 40CFR 60.676(b)(2), NSPS Subpart OOO: Compliance Certification
- 52 40CFR 60.676(f), NSPS Subpart OOO: Compliance Certification
- 53 40CFR 60.676(h), NSPS Subpart OOO: Subpart 60.7(a)(1) requirement waived
- 54 40CFR 60.676(i), NSPS Subpart OOO: Notification of startup
- 55 40CFR 60.676(j), NSPS Subpart OOO: Compliance Certification
- 56 40CFR 63.6590(c), Subpart ZZZZ: Stationary RICE subject to Regulations under 40 CFR Part 60
- 57 40CFR 63.6595(a)(1), Subpart ZZZZ: Compliance Certification
- 58 40CFR 63.6595(a)(1), Subpart ZZZZ: Compliance Certification
- 59 40CFR 63.6603(a), Subpart ZZZZ: Compliance Certification
- 60 40CFR 63.6603(a), Subpart ZZZZ: Compliance Certification
- 61 40CFR 63.6625(e), Subpart ZZZZ: Compliance Certification
- 62 40CFR 63.6625(f), Subpart ZZZZ: Compliance Certification
- 63 40CFR 63.6625(h), Subpart ZZZZ: Compliance Certification
- 64 40 CFR Part 64: Compliance Certification
- 65 40 CFR Part 64: Compliance Certification
- 66 40 CFR Part 64: Compliance Certification

Emission Unit Level

- 67 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 68 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=U-00001

- 69 6 NYCRR 212.10 (c) (4) (i): Compliance Certification
- 70 6 NYCRR 227-1.3 (a): Compliance Certification

EU=U-00001

- 71 6 NYCRR Subpart 231-2: Compliance Certification
- 72 6 NYCRR Subpart 231-2: Compliance Certification
- 73 6 NYCRR Subpart 231-2: Compliance Certification
- 74 40CFR 52.21, Subpart A: Compliance Certification
- 75 40CFR 52.21, Subpart A: Compliance Certification
- 76 40CFR 52.21, Subpart A: Compliance Certification

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

- 77 6 NYCRR 212.10 (c) (4) (i): Compliance Certification

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

- 78 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification

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

- 79 6 NYCRR 212.10 (c) (4) (i): Compliance Certification
- 80 6 NYCRR 212.10 (c) (4) (i): Compliance Certification



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

- 81 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification
- 82 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification

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

- 83 6 NYCRR 212.4 (c): Compliance Certification

EU=U-00001,EP=E1547,Proc=CAP,ES=C1547

- 84 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification
- 85 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification

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

- 86 6 NYCRR 212.10 (c) (4) (i): Compliance Certification

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

- 87 6 NYCRR 212.10 (c) (4) (i): Compliance Certification

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

- 88 6 NYCRR 212.10 (c) (4) (i): Compliance Certification

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

- 89 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification

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

- 90 6 NYCRR 212.4 (c): Compliance Certification

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

- 91 6 NYCRR 212.4 (c): Compliance Certification

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

- 92 6 NYCRR 212.4 (c): Compliance Certification

EU=U-00002,EP=E1546,Proc=OTH,ES=C0009

- 93 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification

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

- 94 6 NYCRR 212.10 (c) (1): RACT analysis not required for emission points less than 3 lb/hr VOC or NOx

EU=U-00002,EP=E1608,Proc=OTH,ES=C0012

- 95 6 NYCRR 212.4 (c): Compliance Certification

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

- 96 6 NYCRR 212.4 (c): Compliance Certification

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

- 97 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification

EU=U-00002,EP=E2000,Proc=OTH,ES=C2000

- 98 6 NYCRR 212.4 (c): Compliance Certification

EU=U-00002,EP=E2040,Proc=OTH,ES=C2040



99 6 NYCRR 212.4 (c): Compliance Certification

EU=U-00002,EP=E2050,Proc=OTH,ES=C2050

100 6 NYCRR 212.4 (c): Compliance Certification

EU=U-00005

101 6 NYCRR 212.10 (c) (4) (i): Compliance Certification

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

102 6 NYCRR 212.4 (c): Compliance Certification

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

103 6 NYCRR 212.4 (c): Compliance Certification

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

104 6 NYCRR 212.10 (c) (1): RACT analysis not required for emission points less than 3 lb/hr VOC or NOx

EU=U-00006

105 6 NYCRR 227-1.3 (a): Compliance Certification

106 40CFR 63.6625(i), Subpart ZZZZ: Compliance Certification

107 40CFR 63.6625(j), Subpart ZZZZ: Compliance Certification

EU=U-00006,Proc=GEN

108 40CFR 63.6605(a), Subpart ZZZZ: Compliance required at all times

109 40CFR 63.6605(b), Subpart ZZZZ: Operate and maintain air pollution control and monitoring equipment consistent with good engineering practices

110 40CFR 63.6640(a), Subpart ZZZZ: Compliance Certification

111 40CFR 63.6640(b), Subpart ZZZZ: Compliance Certification

112 40CFR 63.6640(f)(1), Subpart ZZZZ: Compliance Certification

113 40CFR 63.6650(b), Subpart ZZZZ: Compliance reports

114 40CFR 63.6650(c), Subpart ZZZZ: Contents of compliance reports

115 40CFR 63.6650(d), Subpart ZZZZ: Deviation reports

116 40CFR 63.6650(e), Subpart ZZZZ: Deviation reporting to be included in compliance reports

117 40CFR 63.6650(f), Subpart ZZZZ: Compliance Certification

118 40CFR 63.6655, Subpart ZZZZ: Compliance Certification

119 40CFR 63.6665, Subpart ZZZZ: Compliance Certification

EU=U-00006,EP=E6000,Proc=DFP,ES=S6000

120 40CFR 60.4205(c), NSPS Subpart III: Compliance Certification

121 40CFR 60.4207(b), NSPS Subpart III: Compliance Certification

122 40CFR 60.4209(a), NSPS Subpart III: Compliance Certification

123 40CFR 60.4211(a), NSPS Subpart III: Compliance Certification

124 40CFR 60.4211(b), NSPS Subpart III: Compliance Certification

125 40CFR 60.4211(f), NSPS Subpart III: Compliance Certification

126 40CFR 60.4214(b), NSPS Subpart III: Compliance Certification

EU=U-00007

*127 6 NYCRR 201-7.2: Capping Monitoring Condition



EU=U-00007,EP=E7000

- 128 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification
- 129 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification

EU=U-00008

- 130 6 NYCRR 229.3 (e) (2) (v): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 131 ECL 19-0301: Contaminant List
- 132 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 133 6 NYCRR 212.4 (a): Emissions from new emission sources and/or modifications
- 134 6 NYCRR 212.4 (a): Compliance Demonstration

Emission Unit Level

EU=U-00001,Proc=CAP

- 135 6 NYCRR 212.4 (a): Compliance Demonstration

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

- 136 6 NYCRR 212.4 (a): Compliance Demonstration

NOTE: * preceding the condition number indicates capping.



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

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency 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 - 6 NYCRR 201-1.10 (b)

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.



Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.3 (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 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 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 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 - 6 NYCRR 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 order to maintain compliance with the conditions of this permit.

Item H: Property Rights - 6 NYCRR 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 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 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 Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item K: Reopening for Cause - 6 NYCRR 201-6.5 (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 is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item L: Permit Exclusion - ECL 19-0305

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



(NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

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

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

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:6 NYCRR 200.6

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

Condition 2: Fees
Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 2.1:
The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

Condition 3: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 3.1:



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

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

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

Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 4.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 5: Compliance Certification

Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Submit reports of any required monitoring at a minimum



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

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

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.
- (4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A



written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

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

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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.



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

Condition 6: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.



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

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

The address for the RAPCE is as follows:

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

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2013.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:
The Compliance Certification activity will be performed for the Facility.

Item 7.2:
Compliance Certification shall include the following monitoring:

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

Monitoring Frequency: ANNUALLY



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

Condition 8: Recordkeeping requirements
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

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

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

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

Condition 9: Open Fires - Prohibitions
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

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

Item 9.2

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

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



the air

Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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

Condition 13: Exempt Sources - Proof of Eligibility

Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 13.1:

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 14: Trivial Sources - Proof of Eligibility

Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 14.1:

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 15: Standard Requirement - Provide Information

Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 15.1:

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



administrator initiated the request for information or otherwise has need of it.

Condition 16: General Condition - Right to Inspect
Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 16.1:

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

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

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

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

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

Condition 17: Standard Requirements - Progress Reports
Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 17.1:

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

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

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

Condition 18: Off Permit Changes
Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 18.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of



Condition 21: Recycling and Emissions Reduction
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 82, Subpart F

Item 21.1:

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

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

Condition 22: Emission Unit Definition
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 22.1:

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

Emission Unit: U-00001

Emission Unit Description:

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

Building(s): 1A

Item 22.2:

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

Emission Unit: U-00002

Emission Unit Description:

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

Building(s): 1A
1A, 1B
1B

Item 22.3:

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

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



Item 22.4:

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

Emission Unit: U-00006

Emission Unit Description:

This emission unit includes miscellaneous stationary combustion sources.

Building(s): 1A

Item 22.5:

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

Emission Unit: U-00007

Emission Unit Description:

This emission unit contains project-specific caps in order to assure the non-applicability of PSD under 6NYCRR Part 231-8.

Building(s): 1A

Item 22.6:

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

Emission Unit: U-00008

Emission Unit Description:

This emission unit consists of two oil storage tanks.

Building(s): 1A

Condition 23: Compliance Certification

Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 23.1:

The Compliance Certification activity will be performed for the Facility.

Item 23.2:

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:

(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 24: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 24.1:

The Compliance Certification activity will be performed for the Facility.

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The conditions and underlying applicable requirements included in the facility's Title V Permit apply to equipment while it is operating in production mode only. R&D operations occurring in equipment subject to an emission unit level or facility level cap are subject to these caps, but no other underlying applicable requirements. Corning shall employ good engineering and maintenance practices to minimize emissions from R&D operations in permitted equipment.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 25: Non Applicable requirements
Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 25.1:

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

40 CFR Part 63, Subpart JJJJJ

Reason: The Erwin Manufacturing Complex's kilns do not meet the definition of an affected source at a Brick and Structural Clay Product Manufacturing Facility, therefore these kilns are not subject to this standard.

40 CFR Part 63, Subpart KKKKK



Reason: The Erwin Manufacturing Complex does not meet the definition of a Clay Ceramics Manufacturing Facility, therefore the facility is not subject to this standard.

40 CFR Part 63, Subpart RRRRRR

Reason: The Erwin Manufacturing Complex is not subject to 40CFR63 Subpart RRRRRR National Emission Standards For Hazardous Air Pollutants for Clay Ceramics Manufacturing Area Sources because it does not meet the definition of a Clay Ceramics Manufacturing Area Source.

40 CFR Part 63, Subpart SSSSS

Reason: The Erwin Manufacturing Complex is not subject to 40CFR63 Subpart SSSSS National Emission Standard For Hazardous Air Pollutants for Refractory Products Manufacturing because it does not meet the definition of a Refractory Ceramic Products Manufacturing Facility.

Condition 26: Facility Permissible Emissions
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:6 NYCRR 201-7.2

Item 26.1:

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

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

CAS No: 007647-01-0 PTE: 19,800 pounds per year
Name: HYDROGEN CHLORIDE

CAS No: 0NY100-00-0 PTE: 49,800 pounds per year
Name: HAP

Condition 27: Capping Monitoring Condition
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:6 NYCRR 201-7.2

Item 27.1:

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

40 CFR 63.1

Item 27.2:

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

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



Item 27.3:

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

Item 27.4:

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

Item 27.5:

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

Item 27.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 27.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to maintain the area source status for MACT applicability determination, the facility shall limit the emissions of hydrogen chloride to 9.9 tons during any 12-month rolling period. Emissions of hydrogen chloride shall be calculated on a monthly basis and incorporated into a twelve month rolling total, expressed in tons per year. Records shall be kept on site for five years and made available to the Department upon request.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 28: Capping Monitoring Condition
Effective between the dates of 06/26/2012 and 06/25/2017



Applicable Federal Requirement:6 NYCRR 201-7.2

Item 28.1:

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

40 CFR 63.1

Item 28.2:

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

Item 28.3:

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

Item 28.4:

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

Item 28.5:

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

Item 28.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 28.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to maintain the area source status for MACT applicability determination, the facility shall limit the emissions of aggregate HAP emissions to 24.9 tons during any 12-month rolling period. Emissions of aggregate HAPs shall be calculated on a monthly basis and incorporated into a twelve month rolling total, expressed in tons per



Emission Unit: U-00001	Emission Point: E1616
Emission Unit: U-00001	Emission Point: E1618
Emission Unit: U-00002	Emission Point: E0014
Emission Unit: U-00002	Emission Point: E0015
Emission Unit: U-00002	Emission Point: E1595
Emission Unit: U-00002	Emission Point: E1608
Emission Unit: U-00002	Emission Point: E1610
Emission Unit: U-00002	Emission Point: E2000
Emission Unit: U-00002	Emission Point: E2040
Emission Unit: U-00002	Emission Point: E2050
Emission Unit: U-00002	Emission Point: E2060
Emission Unit: U-00002	Emission Point: E2061
Emission Unit: U-00005 Process: CS1	
Emission Unit: U-00007	Emission Point: E7001

Item 30.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

The permittee will conduct compliance verifications at the monitoring frequency stated below. These verifications include review of pertinent information relating to particulate emissions of the source, including but not limited to production rate, process material, air flow rate, control equipment parameters, visible emissions, etc. The permittee will confirm that during source operation all pertinent parameters (whether used to directly calculate particulate emission rate, or as



surrogates) are within ranges that ensure compliance with the particulate emission rate.

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

Records of these verifications, investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.050 grains per dscf
Monitoring Frequency: SEMI-ANNUALLY
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 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 31: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement: 6 NYCRR 212.6 (a)

Item 31.1:

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

Emission Unit: U-00001	Emission Point: E0001
Emission Unit: U-00001	Emission Point: E2010
Emission Unit: U-00001	Emission Point: E2011
Emission Unit: U-00001	Emission Point: E2012
Emission Unit: U-00001	Emission Point: E2020
Emission Unit: U-00001	Emission Point: E2021



Emission Unit: U-00001 Emission Point: E2022
Emission Unit: U-00001 Emission Point: E2030

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The dryer emission control devices (C2010, C2011, C2020, C2021, C2030, CECP1) 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: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 32: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 32.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Emission Point: E0003
Emission Unit: U-00001 Emission Point: E0005
Emission Unit: U-00001 Emission Point: E0006
Emission Unit: U-00001 Emission Point: E0007
Emission Unit: U-00001 Emission Point: E1530
Emission Unit: U-00001 Emission Point: E1545
Emission Unit: U-00001 Emission Point: E157A
Emission Unit: U-00001 Emission Point: E157B
Emission Unit: U-00001 Emission Point: E157C



Emission Unit: U-00001	Emission Point: E1613
Emission Unit: U-00001	Emission Point: E1616
Emission Unit: U-00001	Emission Point: E1618
Emission Unit: U-00002	Emission Point: E0014
Emission Unit: U-00002	Emission Point: E0015
Emission Unit: U-00002	Emission Point: E1595
Emission Unit: U-00002	Emission Point: E1608
Emission Unit: U-00002	Emission Point: E1610
Emission Unit: U-00002	Emission Point: E2000
Emission Unit: U-00002	Emission Point: E2040
Emission Unit: U-00002	Emission Point: E2050
Emission Unit: U-00002	Emission Point: E2060
Emission Unit: U-00002	Emission Point: E2061
Emission Unit: U-00005 Process: CS1	
Emission Unit: U-00007	Emission Point: E7001

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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



occurred from a process source.

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

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

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

Monitoring Frequency: SEMI-ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 33: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement: 6 NYCRR 212.10 (f)

Item 33.1:

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

Emission Unit: U-00001	Emission Point: E0001
Emission Unit: U-00001	Emission Point: E0006
Emission Unit: U-00001	Emission Point: E0007
Emission Unit: U-00001	Emission Point: E2010
Emission Unit: U-00001	Emission Point: E2011
Emission Unit: U-00001	Emission Point: E2020
Emission Unit: U-00001	Emission Point: E2021
Emission Unit: U-00001	Emission Point: E2030



Emission Unit: U-00001	Emission Point: E3000
Emission Unit: U-00001	Emission Point: E3001
Emission Unit: U-00002	Emission Point: E2060
Emission Unit: U-00002	Emission Point: E2061

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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.

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 7/30/2012.

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

Condition 34: Sampling and Monitoring
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:6 NYCRR 212.11 (a)

Item 34.1:

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.

Condition 35: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

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

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



Item 35.1:

The Compliance Certification activity will be performed for the Facility.

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall use, purchase, sell , or offer for sale any distillate fuel oil which has a sulfur content greater than the limit presented below. Corning will verify sulfur content in each oil delivery by maintaining vendor delivery receipts onsite for a minimum of five years after the delivery date, and will make these documents available to the Department upon request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.5 percent by weight

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 36: Compliance Certification

Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:6 NYCRR Part 226

Item 36.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

6NYCRR 226. Requirements for Cold Cleaning Degreasers (For Title V after 12/31/2003)

A. Equipment Specifications

The following types of control equipment must be used when



conducting cold cleaning degreasing, solvent metal cleaning:

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

B. Operating Requirements:

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

C. General Requirements:

A Person conducting solvent metal cleaning must:

- (1) Store solvent in covered containers and transfer or dispose of waste solvent in such a manner that less than 20 percent of the waste solvent (by weight) can evaporate into the atmosphere.
- (2) Maintain equipment to minimize leaks and fugitive emissions.
- (3) Display at the equipment location a conspicuous summary of proper operating procedures consistent with minimizing emissions of VOCs.
- (4) Keep the degreaser cover closed except when:
 - (a) parts are being placed into or being removed from the degreaser;
 - (b) adding or removing solvent from the degreaser;
 - (c) no solvent is in the degreaser; or
 - (d) when manually cleaning metal parts in the cold cleaning degreaser.
- (5) Create and retain a record of solvent consumption for five years. This record must be made available to the Department upon request.
- (6) Not clean sponges, fabric, wood, leather, paper products and other absorbent materials in a degreaser.
- (7) If using a cold cleaning degreaser that is subject to paragraph 226.3(a)(4), retain a record of the following three items for five years and provide these records to the Department upon request. An invoice, a bill of sale, a certificate covering multiple sales, a Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this requirement.



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

Condition 40: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.672(a), NSPS Subpart OOO

Item 40.1:

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

Emission Unit: U-00001	Emission Point: E0002
Emission Unit: U-00001	Emission Point: E1547
Emission Unit: U-00002	Emission Point: E1546
Emission Unit: U-00002	Emission Point: E1614

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Opacity observations of Emission Points E0002, E1547, E1546 and E1614 will be conducted semiannually while the process is in operation. If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with 7% opacity requirement in 40CFR60 Subpart OOO are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify The Department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

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

Monitoring Frequency: SEMI-ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.



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

Condition 41: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement: 40CFR 60.672(a), NSPS Subpart OOO

Item 41.1:

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

Emission Unit: U-00001	Emission Point: E0002
Emission Unit: U-00001	Emission Point: E1547
Emission Unit: U-00002	Emission Point: E1546
Emission Unit: U-00002	Emission Point: E1614

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

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Affected facilities that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008 must meet the stack particulate matter emission limit of 0.05 g/dscm (0.022 gr/dscf) within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup. Compliance with the requirement will be determined by using the appropriate test methods specified in 40CFR60.675 following a protocol and test schedule approved by the Department.

Upper Permit Limit: 0.022 grains per dscf
Reference Test Method: 40CFR60 Appendix A Methods
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 42: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



Applicable Federal Requirement:40CFR 60.672(a), NSPS Subpart OOO

Item 42.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Emission Point: E1541

Emission Unit: U-00001 Emission Point: E1593

Emission Unit: U-00007 Emission Point: E7000

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

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Affected facilities that commenced construction, modification, or reconstruction after April 22, 2008 must meet the stack particulate matter emission limit of 0.032 g/dscm (0.014 gr/dscf) within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup. Compliance with the requirement will be determined by using the appropriate test methods specified in 40CFR60.675 following a protocol and test schedule approved by the Department.

Upper Permit Limit: 0.014 grains per dscf

Reference Test Method: 40CFR60 Appendix A Methods

Monitoring Frequency: SINGLE OCCURRENCE

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 43: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.672(a), NSPS Subpart OOO

Item 43.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Emission Point: E0002



Emission Unit: U-00001 Emission Point: E1547
Emission Unit: U-00002 Emission Point: E1546
Emission Unit: U-00002 Emission Point: E1614
Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Affected facilities that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008 must meet the stack opacity limit of 7% within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup. Compliance with the requirement will be determined by using the appropriate test methods specified in 40CFR60.675 following a protocol and test schedule approved by the Department.

Upper Permit Limit: 7 percent

Reference Test Method: 40CFR60 Appendix A Methods

Monitoring Frequency: SINGLE OCCURRENCE

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 44: Compliance Certification

Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.672(e)(1), NSPS Subpart

OOO

Item 44.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00007

Process: FOR

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



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

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

If any transfer point on a conveyor belt or any other affected facility is enclosed in a building, then fugitive emissions from the building openings must not exceed 7 percent opacity.

Upper Permit Limit: 7 percent

Reference Test Method: 40CFR60 Appendix A Methods

Monitoring Frequency: SINGLE OCCURRENCE

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 45: Compliance Certification

Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.673, NSPS Subpart OOO

Item 45.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00007

Process: FOR

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The cost of replacement of ore-contact surfaces on processing equipment shall not be considered in calculating either the "fixed capital cost of the new components" or the "fixed capital cost that would be required to construct a comparable new facility" under 40 CFR 60.15. Ore-contact surfaces are crushing surfaces; screen meshes, bars, and plates; conveyor belts; and



elevator buckets.

Under 40 CFR 60.15, the "fixed capital cost of the new components" includes the fixed capital cost of all depreciable components (except components specified above which are or will be replaced pursuant to all continuous programs of component replacement commenced within any 2-year period following August 31, 1983.

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 7/30/2012.

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

Condition 46: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.674(c), NSPS Subpart OOO

Item 46.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001	Emission Point: E1541
Emission Unit: U-00001	Emission Point: E1593
Emission Unit: U-00007	Emission Point: E7000

Item 46.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses a baghouse to control emissions must conduct quarterly 30-minute visible emissions inspections using EPA Method 22 (40 CFR part 60, Appendix A-7). The Method 22 (40 CFR part 60, Appendix A-7) test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner or operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner or operator must record each Method 22 (40 CFR part 60, Appendix A-7) test, including the date and any corrective actions taken, in the logbook required under §60.676(b). The owner or



operator of the affected facility may establish a different baghouse-specific success level for the visible emissions test (other than no visible emissions) by conducting a PM performance test according to §60.675(b) simultaneously with a Method 22 (40 CFR part 60, Appendix A-7) to determine what constitutes normal visible emissions from that affected facility's baghouse when it is in compliance with the applicable PM concentration limit in Table 2 of this subpart. The revised visible emissions success level must be incorporated into the permit for the affected facility.

Parameter Monitored: OPACITY

Upper Permit Limit: 0 percent

Reference Test Method: 40CFR60 Appendix A Methods

Monitoring Frequency: QUARTERLY

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 47: Compliance Certification

Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.674(d), NSPS Subpart OOO

Item 47.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Unit: U-00007

Process: FOR

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

As an alternative to the periodic Method 22 (40 CFR part 60, Appendix A-7) visible emissions inspections specified in paragraph (c) of 40 CFR 60.674, the owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses a baghouse to control emissions may use a bag leak detection system. The owner or operator must install, operate, and maintain the bag leak detection system according to paragraphs (d)(1) through (3) of 40 CFR 60.674.

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



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 7/30/2012.

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

Condition 48: Test methods and procedures
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.675, NSPS Subpart OOO

Item 48.1:

This Condition applies to:

Emission Unit: U00001

Emission Unit: U00002

Emission Unit: U00007

Process: FOR

Item 48.2:

The owner or operator shall determine initial compliance using the test methods and procedures as required in section 40 CFR 60-000.675 and 40 CFR 60 Appendix A.

Condition 49: Reporting and Recordkeeping for Replacement of Equipment
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.676(a), NSPS Subpart OOO

Item 49.1:

This Condition applies to:

Emission Unit: U00001

Emission Unit: U00002

Emission Unit: U00007

Process: FOR

Item 49.2:

Each owner or operator seeking to comply with 40 CFR Part 60.670(d) shall submit to the Administrator the following information about the existing facility being replaced and the replacement piece of equipment.

(1) For a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:



- (i) The rated capacity in megagrams or tons per hour of the existing facility being replaced and
- (ii) The rated capacity in tons per hour of the replacement equipment.
- (2) For a screening operation:
 - (i) The total surface area of the top screen of the existing screening operation being replaced and
 - (ii) The total surface area of the top screen of the replacement screening operation.
- (3) For a conveyor belt:
 - (i) The width of the existing belt being replaced and
 - (ii) The width of the replacement conveyor belt.
- (4) For a storage bin:
 - (i) The rated capacity in megagrams or tons of the existing storage bin being replaced and
 - (ii) The rated capacity in megagrams or tons of replacement storage bins.

Condition 50: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement: 40CFR 60.676(b)(1), NSPS Subpart

OOO

Item 50.1:

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

Emission Unit: U-00001	Emission Point: E1541
Emission Unit: U-00001	Emission Point: E1593
Emission Unit: U-00007	Emission Point: E7000

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of affected facilities for which construction, modification, or reconstruction commenced on or after April 22, 2008, must record each periodic inspection required under 40CFR60.674(b) or (c), including dates and any corrective actions taken, in a logbook (in written or electronic format). The owner or operator must keep the logbook onsite and make hard or electronic copies (whichever is requested) of the logbook available to the



Administrator 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 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 51: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

**Applicable Federal Requirement: 40CFR 60.676(b)(2), NSPS Subpart
OOO**

Item 51.1:

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

Emission Unit: U-00001	Emission Point: E1541
Emission Unit: U-00001	Emission Point: E1593
Emission Unit: U-00007	Emission Point: E7000

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

For each bag leak detection system installed and operated according to 40 CFR 60.674(d), the owner or operator must keep the records specified as follows.

- (i) Records of the bag leak detection system output;
- (ii) Records of bag leak detection system adjustments, including the date and time of the adjustment, the initial bag leak detection system settings, and the final bag leak detection system settings; and
- (iii) The date and time of all bag leak detection system alarms, the time that procedures to determine the cause of the alarm were initiated, the cause of the alarm, an explanation of the actions taken, the date and time the cause of the alarm was alleviated, and whether the cause of the alarm was alleviated within 3 hours of the alarm.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



Reports due 30 days after the reporting period.
The initial report is due 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 52: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.676(f), NSPS Subpart OOO

Item 52.1:

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

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00007

Process: FOR

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40CFR60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40CFR60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40CFR60.672(e).

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 7/30/2012.

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

Condition 53: Subpart 60.7(a)(1) requirement waived
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.676(h), NSPS Subpart OOO

Item 53.1:

This Condition applies to:

Emission Unit: U00001

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



Emission Unit: U00002

Emission Unit: U00007

Process: FOR

Item 53.2:

The subpart A requirement under §60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under this subpart.

Condition 54: Notification of startup

Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.676(i), NSPS Subpart OOO

Item 54.1:

This Condition applies to:

Emission Unit: U00001

Emission Unit: U00002

Emission Unit: U00007

Process: FOR

Item 54.2:

The owner or operator of portable aggregate processing plants must notify the administrator of the actual date of initial startup which shall include the home office and the current address or location of the portable plant.

(1) For a combination of affected facilities in a production line that begin actual initial startup on the same day, a single notification of startup may be submitted by the owner or operator to the Administrator. The notification shall be postmarked within 15 days after such date and shall include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available.

(2) For portable aggregate processing plants, the notification of the actual date of initial startup shall include both the home office and the current address or location of the portable plant.

Condition 55: Compliance Certification

Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.676(j), NSPS Subpart OOO

Item 55.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00007



Process: FOR

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The requirements of this section remain in force until and unless the Agency, in delegating enforcement authority to a State under section 111(c) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such States. In that event, affected facilities within the State will be relieved of the obligation to comply with the reporting requirements of this section, provided that they comply with requirements established by the State.

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 7/30/2012.

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

Condition 56: Stationary RICE subject to Regulations under 40 CFR Part 60

Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 63.6590(c), Subpart ZZZZ

Item 56.1:

An affected source that meets any of the criteria listed below must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.

- new or reconstructed stationary RICE located at an area source,
- new or reconstructed 2SLB stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions,
- new or reconstructed 4SLB stationary RICE with a site rating of less than 250 brake horsepower located at a major source of HAP emissions,
- new or reconstructed spark ignition 4 stroke rich burn (4SRB) stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions,
- new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis,
- new or reconstructed emergency or limited use stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions,
- new or reconstructed compression ignition (CI) stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions.

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



Condition 57: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 63.6595(a)(1), Subpart ZZZZ

Item 57.1:

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

Emission Unit: U-00006	Emission Point: E6003
Process: GEN	Emission Source: S6003
Emission Unit: U-00006	Emission Point: E6004
Process: GEN	Emission Source: S6004
Emission Unit: U-00006	Emission Point: E6005
Process: GEN	Emission Source: S6005

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of existing stationary SI RICE located at an area source of HAP emissions must comply with the applicable emission limitations and operating limitations no later than October 19, 2013.

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 7/30/2012.

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

Condition 58: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 63.6595(a)(1), Subpart ZZZZ

Item 58.1:

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

Emission Unit: U-00006	Emission Point: E6001
Process: GEN	Emission Source: S6001
Emission Unit: U-00006	Emission Point: E6002
Process: GEN	Emission Source: S6002

Item 58.2:

Compliance Certification shall include the following monitoring:



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

If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of this subpart, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.

For each Emergency Stationary SI RICE, the owner or operator must meet the following requirement during periods of startup:

Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

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 7/30/2012.

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

Condition 60: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 60.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00006
Process: GEN

Emission Point: E6001
Emission Source: S6001

Emission Unit: U-00006

Emission Point: E6002



Process: GEN

Emission Source: S6002

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of existing stationary RICE located at an area source of HAP emissions must comply with the requirements in Table 2d to this subpart.

For each Emergency Stationary CI RICE, the owner or operator must meet the following requirements, except during periods of startup:

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first; (Sources have the option to utilize an oil analysis program as described in §63.6625(i) in order to extend the specified oil change requirement in Table 2d of this subpart)
- b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of this subpart, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.

For each Emergency Stationary CI RICE, the owner or operator must meet the following requirement during periods of startup:

Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.



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 7/30/2012.

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

Condition 61: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 61.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00006

Process: GEN

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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 7/30/2012.

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

Condition 62: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 62.1:

The Compliance Certification activity will be performed for the facility:

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



The Compliance Certification applies to:

Emission Unit: U-00006

Process: GEN

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of an existing emergency stationary RICE located at an area source of HAP emissions, must install a non-resettable hour meter if one is not already installed.

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 7/30/2012.

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

Condition 63: Compliance Certification

Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 63.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00006

Process: GEN

Item 63.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Owners and operators of new, reconstructed, or existing stationary engines must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to 40 CFR 63 Subpart ZZZZ apply.

Parameter Monitored: DURATION OF START UP

Upper Permit Limit: 30 minutes

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER
OCCURRENCE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 64: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40 CFR Part 64

Item 64.1:
The Compliance Certification activity will be performed for the Facility.

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

Item 64.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The following emission sources and the associated control devices are subject to the requirements of 40CFR64 Compliance Assurance Monitoring (CAM) due to pre-controlled potential emissions of VOCs greater than 50 tons per year:

Emission Source/ Control Device

S1530/C157A, C157B, C157C

Indicator:

1. Oxidizer combustion chamber temperature.
2. Administrative Controls. System programming directs kiln emissions to the oxidizer as specified for each firing cycle's control period.
3. Inspection and maintenance of the control devices.

Indicator Range:

1. Specific temperature lower limits for each affected control device are consistent with those included in the monitoring conditions for the control devices in this permit.
2. The control periods of each firing cycle are consistent with those included in the monitoring conditions for the control devices in this permit.

Monitoring Frequency:



1. Oxidizer temperature is measured continuously and recorded.
2. Compliance with control period parameters is monitored continuously.
3. Inspections and maintenance are completed consistent with internal schedules.

QA/QC:

1. All acceptable oxidizer temperatures are set consistent with performance testing results.
2. Qualified personnel program the firing cycle and operate the kilns and control devices.
3. Qualified personnel perform inspections and maintenance.

Excursions:

Excursions are oxidizer combustion chamber temperature and the VOC control period of any firing cycle inconsistent with those specified in the monitoring conditions for the control devices in this permit. Excursions trigger immediate inspection and corrective actions.

A monitoring report must be submitted semi-annually with the required compliance certifications which summarizes the number, duration, and cause of exceedances and corrective actions taken.

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 7/30/2012.

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

Condition 65: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40 CFR Part 64

Item 65.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

The following emission sources and the associated control devices are subject to the requirements of 40CFR64 Compliance Assurance Monitoring (CAM) due to pre-controlled potential emissions of HF greater than 10 tons per year:

Emission Source/ Control Device

S1530/C1616, C1618

Indicator:

1. Scrubber media (limestone) level.
2. Administrative Controls. System programming directs kiln emissions to the scrubber as specified for each firing cycle's control period.
3. Inspection and maintenance of the control devices.

Indicator Range:

1. Limestone will be added immediately if low-level alarm triggered.
2. The HF control periods of each firing cycle are consistent with those included in the monitoring conditions for the control devices in this permit.

Monitoring Frequency:

1. limestone level is measured continuously.
2. Compliance with control period parameters is monitored continuously.
3. Inspections and maintenance are completed consistent with internal schedules.

QA/QC:

1. Personnel trained to respond to low-level alarms.
2. Qualified personnel program the firing cycle and operate the kilns and control devices.
3. Qualified personnel perform inspections and maintenance.

Excursions:

Excursions are failure to increase scrubber media level as indicated and the HF control period of any firing cycle inconsistent with those specified in the monitoring conditions for the control devices in this permit. Excursions trigger immediate inspection and corrective actions.

A monitoring report must be submitted semi-annually with the required compliance certifications which summarizes the number, duration, and cause of exceedances and



corrective actions taken.

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 7/30/2012.

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

Condition 66: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40 CFR Part 64

Item 66.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following emission sources and the associated control devices are subject to the requirements of 40CFR64 Compliance Assurance Monitoring (CAM) due to pre-controlled potential emissions of particulates greater than 100 tons per year:

Emission Source/ Control Device

S1545/C1545

S1610/C0013

S1610/C0014

S1614/C1614

S1604/C0011

S7000/C7000

S7001/C7001

The facility has submitted a CAM plan consistent with the requirements of the rule as follows:

Indicator:

1. Visible emissions from the control device exhaust observed by plant employee.



2. Pressure drop across each control device measured with a pressure differential gauge.
3. Routine inspection and maintenance of control devices completed by plant employee.

Indicator Range:

1. An average opacity of less than 7% (6-minute average) for S1614/C1614 and S7000/C7000.
2. An average opacity of less than 20% (6-minute average) for S1545/C1545, S1610/C0013, S1610/C0014, S1604/C0011, and S7001/C7001.
2. The pressure drop ranges for the affected control devices are consistent with those included in the monitoring conditions for the control devices in this permit.

Monitoring Frequency:

1. Opacity observations are conducted semiannually while the sources are in operation.
2. Pressure drop across each control device is measured continuously and recorded weekly.
3. Inspections are performed according to internal inspection schedules. Maintenance is performed as needed.

QA/QC:

1. Employee are trained to observe visible emissions consistent with Title V permit requirements.
2. The pressure gauges are calibrated consistent with manufacturer's recommendations.
3. Qualified personnel perform inspections and maintenance.

Excursions:

Excursions are visible emissions with opacity above normal but within the indicator range and pressure drop across the control device outside the specified range. Excursions trigger immediate inspection and corrective actions.

A monitoring report must be submitted semi-annually with the required compliance certifications which summarizes the number, duration, and cause of exceedances and corrective actions taken.

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 7/30/2012.

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



**** Emission Unit Level ****

Condition 67: Emission Point Definition By Emission Unit
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 67.1:

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
NYTMN (km.):	4664.84	NYTME (km.):	322.757
		Building:	1A
Emission Point:	E0002		
Height (ft.):	31	Diameter (in.):	36
NYTMN (km.):	4664.84	NYTME (km.):	322.757
		Building:	1A
Emission Point:	E0003		
Height (ft.):	35	Diameter (in.):	36
NYTMN (km.):	4664.84	NYTME (km.):	322.757
		Building:	1A
Emission Point:	E0005		
Height (ft.):	40	Diameter (in.):	36
NYTMN (km.):	4664.84	NYTME (km.):	322.757
		Building:	1A
Emission Point:	E0006		
Height (ft.):	40	Diameter (in.):	36
NYTMN (km.):	4664.84	NYTME (km.):	322.757
		Building:	1A
Emission Point:	E0007		
Height (ft.):	40	Diameter (in.):	36
NYTMN (km.):	4664.84	NYTME (km.):	322.757
		Building:	1A
Emission Point:	E1530		
Height (ft.):	40	Length (in.):	72
NYTMN (km.):	4664.84	NYTME (km.):	322.757
		Width (in.):	83
		Building:	1A
Emission Point:	E1541		
Height (ft.):	62	Diameter (in.):	7
NYTMN (km.):	4664.84	NYTME (km.):	322.757
		Building:	1A
Emission Point:	E1545		
Height (ft.):	20	Diameter (in.):	18
NYTMN (km.):	4664.84	NYTME (km.):	322.757
		Building:	1A
Emission Point:	E1547		
Height (ft.):	30	Diameter (in.):	18

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NYTMN (km.): 4664.84	NYTME (km.): 322.757	Building: 1A
Emission Point: E157A		
Height (ft.): 45	Diameter (in.): 48	
NYTMN (km.): 4664.84	NYTME (km.): 322.757	Building: 1A
Emission Point: E157B		
Height (ft.): 65	Diameter (in.): 46	
NYTMN (km.): 4664.84	NYTME (km.): 322.757	Building: 1A
Emission Point: E157C		
Height (ft.): 45	Diameter (in.): 48	
NYTMN (km.): 4664.84	NYTME (km.): 322.757	Building: 1A
Emission Point: E1593		
Height (ft.): 10	Diameter (in.): 40	
NYTMN (km.): 4664.84	NYTME (km.): 322.757	Building: 1A
Emission Point: E1613		
Height (ft.): 10	Diameter (in.): 28	
NYTMN (km.): 4664.84	NYTME (km.): 322.757	Building: 1A
Emission Point: E1616		
Height (ft.): 50	Diameter (in.): 48	
NYTMN (km.): 4664.84	NYTME (km.): 322.757	Building: 1A
Emission Point: E1618		
Height (ft.): 50	Diameter (in.): 48	
NYTMN (km.): 4664.84	NYTME (km.): 322.757	Building: 1A
Emission Point: E2010		
Height (ft.): 33	Diameter (in.): 12	
NYTMN (km.): 4664.84	NYTME (km.): 322.757	Building: 1A
Emission Point: E2011		
Height (ft.): 33	Diameter (in.): 12	
NYTMN (km.): 4664.84	NYTME (km.): 322.757	Building: 1A
Emission Point: E2012		
Height (ft.): 33	Diameter (in.): 12	
NYTMN (km.): 4664.84	NYTME (km.): 322.757	Building: 1A
Emission Point: E2020		
Height (ft.): 33	Diameter (in.): 12	
NYTMN (km.): 4664.84	NYTME (km.): 322.757	Building: 1A
Emission Point: E2021		
Height (ft.): 33	Diameter (in.): 12	
NYTMN (km.): 4664.84	NYTME (km.): 322.757	Building: 1A
Emission Point: E2022		
Height (ft.): 33	Diameter (in.): 12	



NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1A

Emission Point: E2030
Height (ft.): 33 Diameter (in.): 12
NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1A

Emission Point: E3000
Height (ft.): 11 Diameter (in.): 8
NYTMN (km.): 4664.84 NYTME (km.): 322.757

Emission Point: E3001
Height (ft.): 11 Diameter (in.): 8
NYTMN (km.): 4664.84 NYTME (km.): 322.757

Item 67.2:

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
NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1B

Emission Point: E0015
Height (ft.): 33 Diameter (in.): 10
NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1B

Emission Point: E1546
Height (ft.): 20 Diameter (in.): 18
NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1A

Emission Point: E1595
Height (ft.): 75 Diameter (in.): 48
NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1A

Emission Point: E1608
Height (ft.): 21 Diameter (in.): 10
NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1A

Emission Point: E1610
Height (ft.): 35 Diameter (in.): 27
NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1B

Emission Point: E1614
Height (ft.): 18 Diameter (in.): 24
NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1B

Emission Point: E2000
Height (ft.): 33 Diameter (in.): 5
NYTMN (km.): 4664.84 NYTME (km.): 322.757

Emission Point: E2040

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Height (ft.): 37	Diameter (in.): 40
NYTMN (km.): 4664.84	NYTME (km.): 322.757
Emission Point: E2050	
Height (ft.): 33	Diameter (in.): 5
NYTMN (km.): 4664.84	NYTME (km.): 322.757
Emission Point: E2060	
Height (ft.): 38	Diameter (in.): 16
NYTMN (km.): 4664.84	NYTME (km.): 322.757
Emission Point: E2061	
Height (ft.): 38	Diameter (in.): 16
NYTMN (km.): 4664.84	NYTME (km.): 322.757

Item 67.3:

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

Emission Unit: U-00005			
Emission Point: E1517			
Height (ft.): 37	Diameter (in.): 21		
NYTMN (km.): 4664.84	NYTME (km.): 322.757	Building: 1A	
Emission Point: E1583			
Height (ft.): 37	Diameter (in.): 21		
NYTMN (km.): 4664.84	NYTME (km.): 322.757	Building: 1A	
Emission Point: E1604			
Height (ft.): 42	Diameter (in.): 28		
NYTMN (km.): 4664.84	NYTME (km.): 322.757	Building: 1A	
Emission Point: E1612			
Height (ft.): 35	Diameter (in.): 16		
NYTMN (km.): 4664.84	NYTME (km.): 322.757	Building: 1A	
Emission Point: E1650			
Height (ft.): 35	Diameter (in.): 18		
NYTMN (km.): 4664.84	NYTME (km.): 322.757	Building: 1A	
Emission Point: E1651			
Height (ft.): 35	Diameter (in.): 18		
NYTMN (km.): 4664.84	NYTME (km.): 322.757	Building: 1A	
Emission Point: E1652			
Height (ft.): 35	Diameter (in.): 24		
NYTMN (km.): 4664.84	NYTME (km.): 322.757	Building: 1A	
Emission Point: E1653			
Height (ft.): 35	Diameter (in.): 18		
NYTMN (km.): 4664.84	NYTME (km.): 322.757	Building: 1A	



Emission Point: E1654
Height (ft.): 35 Diameter (in.): 18
NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1A

Emission Point: E1655
Height (ft.): 35 Diameter (in.): 18
NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1A

Emission Point: E1656
Height (ft.): 40 Diameter (in.): 32
NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1A

Emission Point: E1657
Height (ft.): 33 Diameter (in.): 4
NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1A

Emission Point: E1658
Height (ft.): 5 Diameter (in.): 10
NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1A

Item 67.4:

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

Emission Unit: U-00006

Emission Point: E6000
Height (ft.): 10 Diameter (in.): 6
NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1A

Emission Point: E6001
Height (ft.): 15 Diameter (in.): 7
NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1A

Emission Point: E6002
Height (ft.): 10 Diameter (in.): 6
NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1A

Emission Point: E6003
Height (ft.): 7 Diameter (in.): 4
NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1A

Emission Point: E6004
Height (ft.): 10 Diameter (in.): 6
NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1A

Emission Point: E6005
Height (ft.): 7 Diameter (in.): 4
NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1A

Emission Point: E6006
Height (ft.): 38 Diameter (in.): 20
NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1A



Emission Point: E6007
Height (ft.): 38 Diameter (in.): 20
NYTMN (km.): 4664.84 NYTME (km.): 322.757 Building: 1A

Item 67.5:

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

Emission Unit: U-00007

Emission Point: E7000
Height (ft.): 20 Diameter (in.): 18
NYTMN (km.): 4664.84 NYTME (km.): 322.757

Emission Point: E7001
Height (ft.): Length (in.): Width (in.):
NYTMN (km.): 4664.84 NYTME (km.): 322.757

Item 67.6:

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

Emission Unit: U-00008

Emission Point: E8000
Height (ft.): 28 Diameter (in.): 6
NYTMN (km.): 4664.84 NYTME (km.): 322.757

Emission Point: E8001
Height (ft.): 28 Diameter (in.): 6
NYTMN (km.): 4664.84 NYTME (km.): 322.757

Condition 68: Process Definition By Emission Unit
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 68.1:

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

Emission Unit: U-00001
Process: CAP Source Classification Code: 3-05-008-99
Process Description:
CAPPED EQUIPMENT - CERAMIC FILTER
PRODUCTION LINES USING A VARIETY OF CERAMIC
RAW MATERIAL COMPOSITIONS.

Emission Source/Control: S3000 - Combustion

Emission Source/Control: S3001 - Combustion

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

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

Emission Source/Control: C0003 - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: C0099 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C1545 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C1547 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C157A - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: C157B - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: C157C - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: C1593 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C1616 - Control
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: C1618 - Control
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: C2010 - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: C2011 - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: C2020 - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: C2021 - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: C2030 - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: C3000 - Control
Control Type: LOW NOx BURNER



Emission Source/Control: C3001 - Control
Control Type: LOW NOx BURNER

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

Emission Source/Control: S0001 - Process

Emission Source/Control: S0002 - Process

Emission Source/Control: S0003 - Process

Emission Source/Control: S0005 - Process

Emission Source/Control: S0006 - Process

Emission Source/Control: S0007 - Process

Emission Source/Control: S1530 - Process

Emission Source/Control: S1541 - Process

Emission Source/Control: S1545 - Process

Emission Source/Control: S1547 - Process

Emission Source/Control: S1593 - Process

Emission Source/Control: S1613 - Process

Emission Source/Control: S2010 - Process

Emission Source/Control: S2020 - Process

Emission Source/Control: S2030 - Process

Emission Source/Control: S2031 - Process

Item 68.2:

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

Emission Unit: U-00002

Process: OTH

Source Classification Code: 3-05-008-99

Process Description:

THIS PROCESS INVOLVES CERAMIC FILTER
PRODUCTION AND FINISHING LINES USING A
VARIETY OF CERAMIC RAW MATERIAL
COMPOSITIONS. EMISSIONS FROM THIS PROCESS
EQUIPMENT ARE NOT INCLUDED IN CAPS.

Emission Source/Control: C0009 - Control
Control Type: FABRIC FILTER



Emission Source/Control: C0012 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0013 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0014 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0015 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C1614 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C2000 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C2040 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C2050 - Control
Control Type: FABRIC FILTER

Emission Source/Control: S1546 - Process

Emission Source/Control: S1595 - Process

Emission Source/Control: S1608 - Process

Emission Source/Control: S1610 - Process

Emission Source/Control: S1614 - Process

Emission Source/Control: S2000 - Process

Emission Source/Control: S2040 - Process

Emission Source/Control: S2050 - Process

Emission Source/Control: S2060 - Process

Item 68.3:

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
PRODUCTION.



- Emission Source/Control: SCM01 - Process
- Emission Source/Control: SCM02 - Process
- Emission Source/Control: SCM03 - Process
- Emission Source/Control: SCM04 - Process
- Emission Source/Control: SCM05 - Process
- Emission Source/Control: SCM06 - Process
- Emission Source/Control: SCM07 - Process
- Emission Source/Control: SCM08 - Process
- Emission Source/Control: SCM09 - Process
- Emission Source/Control: SCM10 - Process

Item 68.5:

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

- Emission Unit: U-00006
- Process: BLR Source Classification Code: 3-05-008-99
- Process Description: This process includes the West Plant Boilers.
- Emission Source/Control: S6006 - Combustion
- Emission Source/Control: S6007 - Combustion

Item 68.6:

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

- Emission Unit: U-00006
- Process: DFP Source Classification Code: 3-05-008-99
- Process Description: This process includes the diesel fire pump engine.
- Emission Source/Control: S6000 - Combustion

Item 68.7:

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

- Emission Unit: U-00006
- Process: GEN Source Classification Code: 3-05-008-99
- Process Description:
This process includes natural gas and diesel fired emergency generators.
- Emission Source/Control: S6001 - Combustion
- Emission Source/Control: S6002 - Combustion



Emission Source/Control: S6003 - Combustion

Emission Source/Control: S6004 - Combustion

Emission Source/Control: S6005 - Combustion

Item 68.8:

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

Emission Unit: U-00007

Process: FIN

Source Classification Code: 3-05-008-99

Process Description:

Capped equipment - ceramic production finishing operations.

Emission Source/Control: C7001 - Control

Control Type: DUST COLLECTOR

Emission Source/Control: S7001 - Process

Item 68.9:

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

Emission Unit: U-00007

Process: FOR

Source Classification Code: 3-05-008-99

Process Description:

Capped equipment - ceramic production forming operations.

Emission Source/Control: C7000 - Control

Control Type: DUST COLLECTOR

Emission Source/Control: S7000 - Process

Item 68.10:

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

Emission Unit: U-00008

Process: TNK

Source Classification Code: 4-90-999-98

Process Description: This process includes two oil storage tanks.

Emission Source/Control: C8000 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: C8001 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: S8000 - Process

Emission Source/Control: S8001 - Process

Condition 69: Compliance Certification

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 69.2:

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 7/30/2012.

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

Condition 70: Compliance Certification

Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 70.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Point: E3000

Emission Unit: U-00001

Emission Point: E3001

Item 70.2:



Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: SEMI-ANNUALLY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 71: Compliance Certification



Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:6 NYCRR Subpart 231-2

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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

Item 71.2:

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 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 7/30/2012.

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

Condition 72: Compliance Certification

Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:6 NYCRR Subpart 231-2

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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

Item 72.2:

Compliance Certification shall include the following monitoring:

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Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



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 7/30/2012.

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

Condition 73: Compliance Certification

Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:6 NYCRR Subpart 231-2

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Item 73.2:

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 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 74: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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

Item 74.2:

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 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 75: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



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

Item 75.2:

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 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 7/30/2012.

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

Condition 76: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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

Item 76.2:

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

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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 7/30/2012.

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

Condition 77: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: CAP

Emission Source: S1530

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 77.2:

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 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 7/30/2012.

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

Condition 78: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement: 40CFR 60.672(a), NSPS Subpart OOO

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: E0002

Process: CAP

Emission Source: C0002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 78.2:

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 40CFR60.672(a) particulate limit of 0.022 grain/dscf for affected facilities with capture systems used to capture



and transport particulate matter to a control device and that were commenced construction, modification or reconstruction after August 31, 1983 but before April 22, 2008, Corning shall monitor the pressure drop across the dust collector (Control Device No. C0002) at least once per week and maintain the pressure drop between 1 and 6 inches of water when Emission Source S0002 is operational. 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 for five years and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 1 inches of water

Upper Permit Limit: 6 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 7/30/2012.

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

Condition 79: Compliance Certification

Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: E0003

Process: CAP

Emission Source: C0003

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 79.2:

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

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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 ROLLING AVERAGE ROLLED EVERY 5 MINUTES

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 80: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: E0003

Process: CAP

Emission Source: C0003

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 80.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The exhaust from K9 Kiln (formerly DSK, 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 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 7/30/2012.

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

Condition 81: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement: 40CFR 60.672(a), NSPS Subpart OOO

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: E1541

Process: CAP

Emission Source: C0001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Within 180 days of the issuance of this permit, the facility shall perform a stack test for Emission Point E1541 to demonstrate compliance with the stack particulate matter emission limit of 0.014 gr/dscf according to the

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test methods and procedures specified in 40CFR60.675. The facility shall submit a stack test protocol to the Department for approval at least 60 days prior to the test and provide the emission test report within 60 days after the completion of the test.

Upper Permit Limit: 0.014 grains per dscf
Reference Test Method: 40CFR60 Methods
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 82: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.672(a), NSPS Subpart OOO

Item 82.1:

The Compliance Certification activity will be performed for:

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

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

Item 82.2:

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 40CFR60.672(a) particulate limit of 0.014 grain/dscf for affected facilities with capture systems used to capture and transport particulate matter to a control device and that were commenced construction, modification or reconstruction after April 22, 2008, Corning shall monitor the pressure drop across the dust collector (Control Device No. C0001) at least once per week and maintain the pressure drop between 0.2 and 8 inches of water when Emission Source S1541 is operational. 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

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inspect the dust collector and initiate corrective action as necessary. Pressure drop readings and maintenance records shall be kept on site for five years 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 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 83: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement: 6 NYCRR 212.4 (c)

Item 83.1:

The Compliance Certification activity will be performed for:

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

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

Item 83.2:

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

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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 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 84: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement: 40CFR 60.672(a), NSPS Subpart OOO

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E1547
Process: CAP Emission Source: C1547

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

Item 84.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Within 180 days of the issuance of this permit, the facility shall perform a stack test for Emission Point E1547 to demonstrate compliance with the stack particulate matter emission limit of 0.022 gr/dscf and the 7% opacity standard according to the test methods and procedures specified in 40CFR60.675. The facility shall submit a stack test protocol to the Department for approval at least 60 days prior to the test and provide the emission test report within 60 days after the completion of the test. The Department may grant an extension of this timeframe if a request, in writing, is received and approved by the Department.

Upper Permit Limit: 0.022 grains per dscf
Reference Test Method: 40CFR60 Methods
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

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The initial report is due 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 85: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.672(a), NSPS Subpart OOO

Item 85.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E1547
Process: CAP Emission Source: C1547

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

Item 85.2:

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 40CFR60.672(a) particulate limit of 0.022 grain/dscf for affected facilities with capture systems used to capture and transport particulate matter to a control device and that were commenced construction, modification or reconstruction after August 31, 1983 but before April 22, 2008, Corning shall monitor the pressure drop across the dust collector (Control Device No. C1547) at least once per week and maintain the pressure drop between 0 and 8 inches of water when Emission Source S1547 is operational. 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 for five years 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 7/30/2012.

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

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Condition 86: Compliance Certification

Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 86.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: E157A

Process: CAP

Emission Source: C157A

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 86.2:

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 7/30/2012.

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

Condition 87: Compliance Certification

Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 87.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: E157B

Process: CAP

Emission Source: C157B

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

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Item 87.2:

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 7/30/2012.

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

Condition 88: Compliance Certification

Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 88.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: E157C

Process: CAP

Emission Source: C157C

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 88.2:

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 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

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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 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 89: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.672(a), NSPS Subpart OOO

Item 89.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E1593
Process: CAP Emission Source: C1593

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

Item 89.2:
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 40CFR60.672(a) particulate limit of 0.014 grain/dscf for affected facilities with capture systems used to capture and transport particulate matter to a control device and that were commenced construction, modification or reconstruction after April 22, 2008, Corning shall monitor the pressure drop across the dust collector (Control Device No. C1593) at least once per week and maintain the pressure drop between 0.2 and 7.5 inches of water when Emission Source S1593 is operational. 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

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inspect the dust collector and initiate corrective action as necessary. Pressure drop readings and maintenance records shall be kept on site for five years 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 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 90: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement: 6 NYCRR 212.4 (c)

Item 90.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: E1613
Process: CAP Emission Source: C0099

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

Item 90.2:

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 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

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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 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 91: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement: 6 NYCRR 212.4 (c)

Item 91.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E0014
Process: OTH Emission Source: C0014

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

Item 91.2:

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. C0014) will be monitored at least once per week and maintained between 1 and 6 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: 6 inches of water

Reference Test Method: METHOD 9

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.

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The initial report is due 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 92: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 92.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E0015
Process: OTH Emission Source: C0015

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

Item 92.2:

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. C0015) will be monitored at least once per week and maintained between 0.5 and 12 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: 0.5 inches of water
Upper Permit Limit: 12 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 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 93: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.672(a), NSPS Subpart OOO



Item 93.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E1546
Process: OTH Emission Source: C0009

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

Item 93.2:

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 40CFR60.672(a) particulate limit of 0.022 grain/dscf for affected facilities with capture systems used to capture and transport particulate matter to a control device and that were commenced construction, modification or reconstruction after August 31, 1983 but before April 22, 2008, Corning shall monitor the pressure drop across the dust collector (Control Device No. C0009) at least once per week and maintain the pressure drop between 1 and 7 inches of water when Emission Source S1546 is operational. 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 for five years 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
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 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

**Condition 94: RACT analysis not required for emission points less than 3
lb/hr VOC or NOx
Effective between the dates of 06/26/2012 and 06/25/2017**

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

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Item 94.1:

This Condition applies to Emission Unit: U-00002 Emission Point: E1595
Process: OTH Emission Source: S1595

Item 94.2:

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 95: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement: 6 NYCRR 212.4 (c)

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: E1608
Process: OTH Emission Source: C0012

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

Item 95.2:

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
RANGE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.
The initial report is due 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 96: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 96.1:

The Compliance Certification activity will be performed for:

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

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

Item 96.2:

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 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 97: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017



Applicable Federal Requirement:40CFR 60.672(a), NSPS Subpart OOO

Item 97.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: E1614

Process: OTH

Emission Source: C1614

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 97.2:

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 40CFR60.672(a) particulate limit of 0.022 grain/dscf for affected facilities with capture systems used to capture and transport particulate matter to a control device and that were commenced construction, modification or reconstruction after August 31, 1983 but before April 22, 2008, Corning shall monitor the pressure drop across the dust collector (Control Device No. C1614) at least once per week and maintain the pressure drop between 0.2 and 7.5 inches of water when Emission Source S1614 is operational. 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 for five years 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 7/30/2012.

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

Condition 98: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:6 NYCRR 212.4 (c)

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



Item 98.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: E2000

Process: OTH

Emission Source: C2000

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 98.2:

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 S2000 is operational, the pressure drop across the dust collector (Control Device No. C2000) will be monitored at least once per week and maintained between 0.5 and 6 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: 0.5 inches of water

Upper Permit Limit: 6 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 7/30/2012.

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

Condition 99: Compliance Certification

Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement: 6 NYCRR 212.4 (c)

Item 99.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: E2040

Process: OTH

Emission Source: C2040

Regulated Contaminant(s):

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



CAS No: 0NY075-00-0 PARTICULATES

Item 99.2:

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 S2040 is operational, the pressure drop across the dust collector (Control Device No. C2040) will be monitored at least once per week and maintained between 1.5 and 4 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: 1.5 inches of water

Upper Permit Limit: 4 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 7/30/2012.

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

Condition 100: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement: 6 NYCRR 212.4 (c)

Item 100.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: E2050

Process: OTH

Emission Source: C2050

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 100.2:

Compliance Certification shall include the following monitoring:

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

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

Facility DEC ID: 846420009



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 S2050 is operational, the pressure drop across the dust collector (Control Device No. C2050) will be monitored at least once per week and maintained between 0.5 and 12 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: 0.5 inches of water

Upper Permit Limit: 12 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 7/30/2012.

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

Condition 101: Compliance Certification

Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 101.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00005

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 101.2:

Compliance Certification shall include the following monitoring:

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 MAP 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

New York State Department of Environmental Conservation

Permit ID: 8-4642-00009/00109

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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 102: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement: 6 NYCRR 212.4 (c)

Item 102.1:

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 102.2:

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 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

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Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009



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 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 103: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement: 6 NYCRR 212.4 (c)

Item 103.1:

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 103.2:

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 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 7/30/2012.
Subsequent reports are due every 6 calendar month(s).



Condition 104: RACT analysis not required for emission points less than 3 lb/hr VOC or NO_x
Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 104.1:

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

Item 104.2:

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 105: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 105.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006

Item 105.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible



the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d of subpart ZZZZ. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 107: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 107.1:

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

Emission Unit: U-00006
Process: GEN

Emission Point: E6003
Emission Source: S6003

Emission Unit: U-00006
Process: GEN

Emission Point: E6004
Emission Source: S6004

Emission Unit: U-00006
Process: GEN

Emission Point: E6005
Emission Source: S6005

Item 107.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary spark ignition engine that is subject to the work, operation or management practices in items 6, 7, or 8 of Table 2c of subpart ZZZZ or in items 5, 6, 7, 9, or 11 of Table 2d of subpart ZZZZ has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d of subpart ZZZZ. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 108: Compliance required at all times
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 63.6605(a), Subpart ZZZZ

Item 108.1:

This Condition applies to Emission Unit: U-00006
Process: GEN

Item 108.2:

Facility must be in compliance with the emission limitations and operating limitations in 40 CFR 63 Subpart ZZZZ that apply to them at all times.

Condition 109: Operate and maintain air pollution control and monitoring



equipment consistent with good engineering practices
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 63.6605(b), Subpart ZZZZ

Item 109.1:

This Condition applies to Emission Unit: U-00006
Process: GEN

Item 109.2:

Facility must operate and maintain its stationary RICE, including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions at all times, including during startup, shutdown, and malfunction.

Condition 110: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 110.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006
Process: GEN

Item 110.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A facility that has existing RICE that is:

Emergency and black start:

- with a site rating less than or equal to 500 brake horsepower located at a major source of HAP emissions,
- or
- located at an area source of HAP emissions

Non-emergency:

- with a site rating less than 100 brake horsepower located at a major source of HAP emissions,
- compression ignition (CI) RICE with a site rating less than or equal to 300 brake horsepower located at an area source of HAP emissions,
- 2 stroke lean burn (2SLB) RICE located at an area source of HAP emissions,
- landfill or digester gas stationary spark ignition RICE located at an area source of HAP emissions,
- 4 stroke lean burn (4SLB) RICE with a site rating less than or equal to 500 brake horsepower located at an area



source of HAP emissions,
- 4 stroke rich burn (4SRB) RICE with a site rating less than or equal to 500 brake horsepower located at an area source of HAP emissions,
- 4SLB RICE with a site rating greater than 500 brake horsepower located at an area source of HAP emissions that operate 24 hours or less per calendar year, or
- 4SRB RICE with a site rating greater than 500 brake horsepower located at an area source of HAP emissions that operate 24 hours or less per calendar year

Then to demonstrate continuous compliance with work or management practices the facility must:

1 - operate and maintain the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; and

2 - keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1).

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 7/30/2012.

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

Condition 111: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 111.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006

Process: GEN

Item 111.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility must report each instance in which it did not meet each emission limitation or operating limitation in Tables 1a, 1b, 2a, 2b, 2c, and 2d of 40 CFR 63 Subpart ZZZZ that apply. These instances are deviations from the emission and operating limitations in 40 CFR 63 Subpart



ZZZZ. These deviations must be reported according to the requirements in 40 CFR 63.6650.

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 7/30/2012.

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

Condition 112: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 63.6640(f)(1), Subpart ZZZZ

Item 112.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006

Process: GEN

Item 112.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an existing emergency stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions, a new or reconstructed emergency stationary RICE with a site rating of more than 500 brake horsepower located at a major source of HAP emissions that was installed on or after June 12, 2006, or an existing emergency stationary RICE located at an area source of HAP emissions must operate the emergency stationary RICE according to the requirements in paragraphs (i) through (iii) below. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (i) through (iii) below, is prohibited. If you do not operate the engine according to the requirements in paragraphs (i) through (iii) below, the engine will not be considered an emergency engine under this subpart and will need to meet all requirements for non-emergency engines.

(i) There is no time limit on the use of emergency stationary RICE in emergency situations. However, 6NYCRR 200.1(cq) defines emergency power generating stationary internal combustion engines as "a stationary internal combustion engine that operates as a mechanical or electrical power source only when the usual supply of power is unavailable, and operates for no more than 500



hours per year".

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

(iii) The facility may operate the emergency stationary RICE up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity; except that owners and operators may operate the emergency engine for a maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout, such as unusually low frequency, equipment overload, capacity or energy deficiency, or unacceptable voltage level. The engine may not be operated for more than 30 minutes prior to the time when the emergency condition is expected to occur, and the engine operation must be terminated immediately after the facility is notified that the emergency condition is no longer imminent. The 15 hours per year of demand response operation are counted as part of the 50 hours of operation per year provided for non-emergency situations. The supply of emergency power to another entity or entities pursuant to financial arrangement is not limited by this paragraph, as long as the power provided by the financial arrangement is limited to emergency power.

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 7/30/2012.

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



Condition 113: Compliance reports

Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement: 40CFR 63.6650(b), Subpart ZZZZ

Item 113.1:

This Condition applies to Emission Unit: U-00006
Process: GEN

Item 113.2:

Unless the EPA Administrator has approved a different schedule for submission of reports under 40 CFR 63.10(a), the owner or operator must submit each report by the date in Table 7 of subpart ZZZZ and according to the requirements in paragraphs (1) through (9).

- (1) For semiannual Compliance reports, the first Compliance report must cover the period beginning on the compliance date that is specified for the affected source in 40 CFR 63.6595 and ending on June 30 or December 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for the source in 40 CFR 63.6595.
- (2) For semiannual Compliance reports, the first Compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date follows the end of the first calendar half after the compliance date that is specified for the affected source in 40 CFR 63.6595.
- (3) For semiannual Compliance reports, each subsequent Compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.
- (4) For semiannual Compliance reports, each subsequent Compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.
- (5) For each stationary RICE that is subject to permitting regulations pursuant to 40 CFR part 70 or 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6 (a)(3)(iii)(A), the owner or operator may submit the first and subsequent Compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (1) through (4) above.
- (6) For annual Compliance reports, the first Compliance report must cover the period beginning on the compliance date that is specified for the affected source in 40 CFR 63.6595 and ending on December 31.
- (7) For annual Compliance reports, the first Compliance report must be postmarked or delivered no later than January 31 following the end of the first calendar year after the compliance date that is specified for the affected source in 40 CFR 63.6595.
- (8) For annual Compliance reports, each subsequent Compliance report must cover the annual reporting period from January 1 through December 31.
- (9) For annual Compliance reports, each subsequent Compliance report must be postmarked or delivered no later than January 31.



Condition 114: Contents of compliance reports
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 63.6650(c), Subpart ZZZZ

Item 114.1:

This Condition applies to Emission Unit: U-00006
Process: GEN

Item 114.2:

The Compliance report must contain the information in paragraphs (1) through (6).

- (1) Company name and address.
- (2) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.
- (3) Date of report and beginning and ending dates of the reporting period.
- (4) If the facility had a malfunction during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with 40 CFR 63.6605(b), including actions taken to correct a malfunction.
- (5) If there are no deviations from any emission or operating limitations that apply to the facility, a statement that there were no deviations from the emission or operating limitations during the reporting period.
- (6) If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control, as specified in 40 CFR 63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.

Condition 115: Deviation reports
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 63.6650(d), Subpart ZZZZ

Item 115.1:

This Condition applies to Emission Unit: U-00006
Process: GEN

Item 115.2:

For each deviation from an emission or operating limitation that occurs for a stationary RICE where the facility is not using a CMS to comply with the emission or operating limitations in this subpart, the Compliance report must contain the information in paragraphs (1) through (4) below and the information in 40 CFR 63.6650 (d)(1) and (2).

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(12) A description of any changes in CMS, processes, or controls since the last reporting period.

Condition 117: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 63.6650(f), Subpart ZZZZ

Item 117.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006

Process: GEN

Item 117.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a Compliance report pursuant to Table 7 of this subpart along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the Compliance report includes all required information concerning deviations from any emission or operating limitation in this subpart, submission of the Compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a Compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.

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 7/30/2012.

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

Condition 118: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 63.6655, Subpart ZZZZ

Item 118.1:

The Compliance Certification activity will be performed for:



Emission Unit: U-00006

Process: GEN

Item 118.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operator of existing emergency stationary RICE located at an area source of HAP emissions must maintain the following records:

- i. A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in §63.10(b)(2)(xiv).
- ii. Records of the occurrence and duration of each malfunction of operation (I.e., process equipment) or the air pollution control and monitoring equipment.
- iii. Records of actions taken during periods of malfunction to minimize emissions in accordance with 40CFR63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
- iv. Records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan.
- v. Records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.

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 7/30/2012.

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



Condition 119: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 63.6665, Subpart ZZZZ

Item 119.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006
Process: GEN

Item 119.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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 7/30/2012.

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

Condition 120: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.4205(c), NSPS Subpart III

Item 120.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006 Emission Point: E6000
Process: DFP Emission Source: S6000

Item 120.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners and operators of fire pump engines with a displacement of less than 30 liters per cylinder must comply with the emission standards in table 4 to this subpart, for all pollutants.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 121: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.4207(b), NSPS Subpart III

Item 121.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006

Emission Point: E6000

Process: DFP

Emission Source: S6000

Item 121.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40CFR80.510(b) for nonroad diesel fuel.

Beginning June 1, 2010 . Except as otherwise specifically provided in 40CFR80 Subpart I, all NR and LM diesel fuel is subject to the following per-gallon standards:

- (1) Sulfur content.
 - (i) 15 ppm maximum for NR diesel fuel.
 - (ii) 500 ppm maximum for LM diesel fuel.
- (2) Cetane index or aromatic content, as follows:
 - (i) A minimum cetane index of 40; or
 - (ii) A maximum aromatic content of 35 volume percent.

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -

SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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



Condition 122: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.4209(a), NSPS Subpart III

Item 122.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006 Emission Point: E6000
Process: DFP Emission Source: S6000

Item 122.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an emergency stationary compression ignition IC engine must install and maintain a non-resettable hour meter prior to startup to monitor engine usage

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 123: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.4211(a), NSPS Subpart III

Item 123.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006 Emission Point: E6000
Process: DFP Emission Source: S6000

Item 123.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary CI internal combustion engine must comply with the emission standards specified in 40 CFR 60 Subpart IIII and must do all of the following:

- (1) Operate and maintain the stationary CI internal combustion engine and control device according to the



manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer; and

(3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to the facility

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 124: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.4211(b), NSPS Subpart III

Item 124.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006

Emission Point: E6000

Process: DFP

Emission Source: S6000

Item 124.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a pre-2007 model year stationary CI internal combustion engine that must comply with the emission standards specified in 40 CFR 60.4204(a) or 60.4205(a), or the owner or operator of a CI fire pump engine that is manufactured prior to the model years in table 3 to Subpart III and must comply with the emission standards specified in §60.4205(c), the owner or operator must demonstrate compliance according to one of the methods specified in paragraphs (1) through (5) below.

(1) Purchasing an engine certified according to 40 CFR part 89 or 40 CFR part 94, as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications.

(2) Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods



specified in this subpart and these methods must have been followed correctly.

(3) Keeping records of engine manufacturer data indicating compliance with the standards.

(4) Keeping records of control device vendor data indicating compliance with the standards.

(5) Conducting an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in §60.4212, as applicable.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 125: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.4211(f), NSPS Subpart III

Item 125.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006

Emission Point: E6000

Process: DFP

Emission Source: S6000

Item 125.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. Emergency stationary ICE may operate up to 50 hours per



year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. For owners and operators of emergency engines, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in this section, is prohibited.

Parameter Monitored: HOURS OF OPERATION

Upper Permit Limit: 100 hours per year

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 7/30/2012.

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

Condition 126: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.4214(b), NSPS Subpart III

Item 126.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006

Emission Point: E6000

Process: DFP

Emission Source: S6000

Item 126.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 127: Capping Monitoring Condition
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:6 NYCRR 201-7.2

Item 127.1:

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

6 NYCRR Subpart 231-8

Item 127.2:

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

Item 127.3:

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

Item 127.4:

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

Item 127.5:

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

Item 127.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00007

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 127.7:

Compliance Certification shall include the following monitoring:

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Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to cap out of applicability to 6NYCRR Part 231-8, each process in this emission unit will maintain actual PM 2.5, PM 10 and Total PM emissions below the Significant Project Thresholds of 10, 15 and 25 tons per year, respectively, as defined in 6NYCRR Part 231-13.6 Table 6. The facility must maintain emission calculations for each process in this emission unit on a 12-month rolling basis to ensure that each process' actual emissions are less than the process-specific emission cap.

Each process in this emission unit is a separate and distinct project for NSR applicability determinations.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 128: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.672(a), NSPS Subpart OOO

Item 128.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00007

Emission Point: E7000

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 128.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup of Emission Source S7000, the facility shall perform a stack test for Emission Point E7000 to demonstrate compliance with the stack particulate matter emission limit of 0.014 gr/dscf according to the test methods and procedures specified in 40CFR60.675. The facility shall submit a stack test protocol to the Department for approval at least 60 days prior to the test and provide the emission

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test report within 60 days after the completion of the test.

Upper Permit Limit: 0.014 grains per dscf
Reference Test Method: 40CFR60 Methods
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 129: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable Federal Requirement:40CFR 60.672(a), NSPS Subpart OOO

Item 129.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00007 Emission Point: E7000

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

Item 129.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to demonstrate compliance with the 40CFR60.672(a) particulate limit of 0.014 grain/dscf for affected facilities with capture systems used to capture and transport particulate matter to a control device and that were commenced construction, modification or reconstruction after April 22, 2008, Corning shall monitor the pressure drop across the dust collector (Control Device No. C7000) at least once per week when Emission Source S7000 is operational. The pressure drop range will be provided to the Department prior to the installation. The 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 for five years and made available to the Department upon request.

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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 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 130: Compliance Certification
Effective between the dates of 06/26/2012 and 06/25/2017

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

Item 130.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Item 130.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2012.
Subsequent reports are due every 6 calendar month(s).



STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5

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

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

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

Condition 131: Contaminant List
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable State Requirement:ECL 19-0301

Item 131.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 007647-01-0
Name: HYDROGEN CHLORIDE



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

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

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

CAS No: 0NY100-00-0
Name: HAP

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

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

**Condition 132: Unavoidable noncompliance and violations
Effective between the dates of 06/26/2012 and 06/25/2017**

Applicable State Requirement:6 NYCRR 201-1.4

Item 132.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain



reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

**Condition 133: Emissions from new emission sources and/or modifications
Effective between the dates of 06/26/2012 and 06/25/2017**

Applicable State Requirement:6 NYCRR 212.4 (a)

Item 133.1:

This Condition applies to:

Emission Unit: U00001

Emission Unit: U00002

Emission Unit: U00005

Emission Unit: U00006

Emission Unit: U00007

Emission Unit: U00008

Item 133.2:

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 134: Compliance Demonstration
Effective between the dates of 06/26/2012 and 06/25/2017**

Applicable State Requirement:6 NYCRR 212.4 (a)

Item 134.1:

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The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 134.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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 7/30/2012.

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

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

Condition 135: Compliance Demonstration

Effective between the dates of 06/26/2012 and 06/25/2017

Applicable State Requirement:6 NYCRR 212.4 (a)

Item 135.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Process: CAP

Regulated Contaminant(s):



CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 135.2:

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.

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 7/30/2012.

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

Condition 136: Compliance Demonstration
Effective between the dates of 06/26/2012 and 06/25/2017

Applicable State Requirement:6 NYCRR 212.4 (a)

Item 136.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Process: CAP

Emission Source: S1530

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 136.2:

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 7/30/2012.

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

