

Facility DEC ID: 8464200009

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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 8-4642-00009/00109  
Effective Date:

Expiration Date:

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

Contact: KARA L MACKEY DOPMAN  
CORNING INC - DECKER BLDG  
HP-ME-03-83  
CORNING, NY 14831  
(607) 974-8525

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

Contact: COLLEEN KRYSIAK  
CORNING INC  
BIG FALTS PLANT 1 RIVERFRONT PLZ  
CORNING, NY 14831  
(607) 974-0246

Description:

Renewal and modification its current Title V Facility Permit for the Erwin Manufacturing Complex. The facility manufactures ceramic filter substrates for catalytic emission control units for gasoline and diesel engines.

As part of the modification, Corning Incorporated will add an additional emission unit (U-00009) associated with their Accelerated Purification Technology (APT) operations. This unit is associated with mixing, deposition, curing and filter testing operations including a thermal oxidizer as a control system.

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;
- U-00005, venting processes which may alternate between exempt research and development operations, and non-exempt production operations.
- 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;

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U-00008, consisting of two oil storage tanks; and  
U-00009, consisting of a APT production operations with a thermal oxidizer.

Corning will maintain its current facilitywide limit on Hazardous Air Pollutant (HAP) emissions with restrictions on operations that will limit 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:           ROBERT B CALL  
  6274 E AVON LIMA RD  
  AVON, NY 14414

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

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### 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.

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- 5 2 Relationship of this Permit to Other Department Orders and Determinations
- 5 3 Applications for permit renewals, modifications and transfers
- 6 4 Permit modifications, suspensions or revocations by the Department

**Facility Level**

- 6 5 Submission of application for permit modification or renewal-REGION 8 HEADQUARTERS

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**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 the expiration of permits for Title V and 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

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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

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

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: CORNING INCORPORATED  
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:

Permit Expiration Date:

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11	3	6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
11	4	6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
12	5	6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
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20	17	6 NYCRR 201-6.4 (a) (8): Right to Inspect
20	18	6 NYCRR 202-1.1: Required Emissions Tests
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21	20	40CFR 82, Subpart F: Recycling and Emissions Reduction
21	21	6 NYCRR Subpart 201-6: Emission Unit Definition
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23	23	6 NYCRR 201-6.4 (f): Operational Flexibility
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29	29	6 NYCRR 202-2.4 (a) (3): Statement dates for emissions statements.
30	30	6 NYCRR 211.2: Visible Emissions Limited
30	31	6 NYCRR 212-1.6 (a): Compliance Certification
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33	33	6 NYCRR 212-2.1 (b): Compliance Certification
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- 44 44 6 NYCRR 227-1.4 (a): Compliance Certification
- 46 45 6 NYCRR 227-2.4 (d): Compliance Certification
- 46 46 40CFR 60, NSPS Subpart A: Applicability of Subpart A General Provisions
- 46 47 40CFR 60.4202(b), NSPS Subpart III: Compliance Certification
- 47 48 40CFR 60.4206, NSPS Subpart III: Duration of  
emission standards for new stationary compression ignition IC engines
- 47 49 40CFR 60.4207(b), NSPS Subpart III: Compliance Certification
- 48 50 40CFR 60.4209(a), NSPS Subpart III: Compliance Certification
- 49 51 40CFR 60.4211(a), NSPS Subpart III: Compliance Certification
- 49 52 40CFR 60.4211(f), NSPS Subpart III: Compliance Certification
- 50 53 40CFR 60.4211(g), NSPS Subpart III: Compliance Certification
- 52 54 40CFR 60.4214(b), NSPS Subpart III: Compliance Certification
- 52 55 40CFR 60.4218, NSPS Subpart III: General Provisions
- 53 56 40CFR 60.4243(b)(1), NSPS Subpart JJJJ: Compliance  
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- 53 57 40CFR 60.4243(d), NSPS Subpart JJJJ: Compliance Certification
- 54 58 40CFR 60.4245(a), NSPS Subpart JJJJ: Compliance Certification
- 55 59 40CFR 60.4245(b), NSPS Subpart JJJJ: Compliance Certification
- 56 60 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification
- 57 61 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification
- 58 62 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification
- 59 63 40CFR 60.672(e)(1), NSPS Subpart OOO: Compliance Certification
- 60 64 40CFR 60.673, NSPS Subpart OOO: Compliance Certification
- 60 65 40CFR 60.674(c), NSPS Subpart OOO: Compliance Certification
- 62 66 40CFR 60.674(d), NSPS Subpart OOO: Compliance Certification
- 62 67 40CFR 60.675, NSPS Subpart OOO: Test methods and procedures
- 63 68 40CFR 60.676(a), NSPS Subpart OOO: Reporting and  
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- 64 69 40CFR 60.676(b)(1), NSPS Subpart OOO: Compliance Certification
- 64 70 40CFR 60.676(b)(2), NSPS Subpart OOO: Compliance Certification
- 65 71 40CFR 60.676(f), NSPS Subpart OOO: Compliance Certification
- 66 72 40CFR 60.676(h), NSPS Subpart OOO: Subpart 60.7(a)(1) requirement  
waived
- 66 73 40CFR 60.676(i), NSPS Subpart OOO: Notification of startup
- 67 74 40CFR 60.676(j), NSPS Subpart OOO: Compliance Certification
- 68 75 40CFR 63.6590(c), Subpart ZZZZ: Stationary RICE  
subject to Regulations under 40 CFR Part 60
- 69 76 40CFR 63.6603(a), Subpart ZZZZ: Compliance Certification
- 70 77 40CFR 63.6603(a), Subpart ZZZZ: Compliance Certification
- 71 78 40CFR 63.6605(a), Subpart ZZZZ: Compliance required at all times
- 71 79 40CFR 63.6605(b), Subpart ZZZZ: Operate and maintain  
air pollution control and monitoring equipment consistent with good  
engineering practices
- 72 80 40CFR 63.6625(e), Subpart ZZZZ: Compliance Certification
- 73 81 40CFR 63.6625(f), Subpart ZZZZ: Compliance Certification
- 74 82 40CFR 63.6625(h), Subpart ZZZZ: Compliance Certification
- 75 83 40CFR 63.6625(i), Subpart ZZZZ: Compliance Certification
- 76 84 40CFR 63.6625(j), Subpart ZZZZ: Compliance Certification
- 77 85 40CFR 63.6640(b), Subpart ZZZZ: Compliance Certification
- 78 86 40CFR 63.6640(f), Subpart ZZZZ: Compliance Certification
- 79 87 40CFR 63.6650(b), Subpart ZZZZ: Compliance reports
- 80 88 40CFR 63.6650(d), Subpart ZZZZ: Deviation reports

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- 81 89 40CFR 63.6650(f), Subpart ZZZZ: Title V and NESHAP reporting
- 81 90 40CFR 63.6655, Subpart ZZZZ: Compliance Certification
- 82 91 40CFR 63.6665, Subpart ZZZZ: General provisions
- 83 92 40 CFR Part 64: Compliance Certification
- 84 93 40 CFR Part 64: Compliance Certification
- 86 94 40 CFR Part 64: Compliance Certification
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- 88 95 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 93 96 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
- 99 97 6 NYCRR Subpart 201-7: Emission Unit Permissible Emissions
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- EU=U-00001**
- 100 \*98 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 101 \*99 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 102 \*100 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 104 \*101 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 
- EU=U-00001,EP=E0002,Proc=CAP,ES=C0002**
- 105 102 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification
- 
- EU=U-00001,EP=E0003,Proc=CAP,ES=C0003**
- 106 103 6 NYCRR 212-3.1 (c) (4) (i): Compliance Certification
- 
- EU=U-00001,EP=E1541,Proc=CAP,ES=C0001**
- 107 104 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification
- 
- EU=U-00001,EP=E1545,Proc=CAP,ES=C1545**
- 108 105 6 NYCRR 212-2.4 (b): Compliance Certification
- 
- EU=U-00001,EP=E1547,Proc=CAP,ES=C1547**
- 108 106 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification
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- EU=U-00001,EP=E157A,Proc=CAP,ES=C157A**
- 109 107 6 NYCRR 212-3.1 (c) (4) (i): Compliance Certification
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- EU=U-00001,EP=E157B,Proc=CAP,ES=C157B**
- 110 108 6 NYCRR 212-3.1 (c) (4) (i): Compliance Certification
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- EU=U-00001,EP=E157C,Proc=CAP,ES=C157C**
- 111 109 6 NYCRR 212-3.1 (c) (4) (i): Compliance Certification
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- EU=U-00001,EP=E1593,Proc=CAP,ES=C1593**
- 111 110 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification
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- EU=U-00001,EP=E1613,Proc=CAP,ES=C0099**
- 112 111 6 NYCRR 212-2.4 (b): Compliance Certification
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- EU=U-00002,EP=E0014,Proc=OTH,ES=C0014**
- 113 112 6 NYCRR 212-2.4 (b): Compliance Certification
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- EU=U-00002,EP=E0015,Proc=OTH,ES=C0015**
- 114 113 6 NYCRR 212-2.4 (b): Compliance Certification

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- EU=U-00002,EP=E1546,Proc=OTH,ES=C0009**  
 115 114 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification
- EU=U-00002,EP=E1608,Proc=OTH,ES=C0012**  
 116 115 6 NYCRR 212-2.4 (b): Compliance Certification
- EU=U-00002,EP=E1610,Proc=OTH,ES=C0013**  
 117 116 6 NYCRR 212-2.4 (b): Compliance Certification
- EU=U-00002,EP=E1614,Proc=OTH,ES=C1614**  
 117 117 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification
- EU=U-00002,EP=E2040,Proc=OTH,ES=C2040**  
 118 118 6 NYCRR 212-2.4 (b): Compliance Certification
- EU=U-00005,EP=E1650,Proc=CS1,ES=C1650**  
 119 119 6 NYCRR 212-2.4 (b): Compliance Certification
- EU=U-00006,Proc=GEN**  
 120 120 40CFR 63.6650(c), Subpart ZZZZ: Contents of compliance reports  
 121 121 40CFR 63.6650(e), Subpart ZZZZ: Deviation  
 reporting to be included in compliance reports
- EU=U-00006,EP=E6000,Proc=DFP,ES=S6000**  
 122 122 40CFR 60.4205(c), NSPS Subpart IIII: Compliance Certification  
 122 123 40CFR 60.4211(b), NSPS Subpart IIII: Compliance Certification
- EU=U-00006,EP=E6008,Proc=GEN,ES=S6008**  
 123 124 40CFR 60.4209(b), NSPS Subpart IIII: Compliance Certification
- EU=U-00006,EP=E6010**  
 124 125 40CFR 60.4233(e), NSPS Subpart JJJJ: Compliance Certification  
 124 126 40CFR 60.4243(a)(1), NSPS Subpart JJJJ: Compliance Certification
- EU=U-00008**  
 125 127 6 NYCRR 229.3 (e) (2) (v): Compliance Certification
- EU=U-00009,EP=E9001,Proc=APT,ES=C9001**  
 126 128 6 NYCRR 212-3.1 (c) (4) (i): Compliance Certification
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 128 129 ECL 19-0301: Contaminant List  
 129 130 6 NYCRR 201-1.4: Malfunctions and Start-up/Shutdown Activities  
 130 131 6 NYCRR 201-1.15: Requirement to Commence Construction  
 130 132 6 NYCRR 201-1.16 (a) (3): Compliance Demonstration  
 130 133 6 NYCRR 201-1.16 (a) (3): Compliance Demonstration  
 131 134 6 NYCRR 201-6.5 (a): CLCPA Applicability  
 131 135 6 NYCRR 211.1: Air pollution prohibited  
 132 136 6 NYCRR 212-2.1 (a): Compliance Demonstration

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NOTE: \* preceding the condition number indicates capping.

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**FEDERALLY ENFORCEABLE CONDITIONS**

Renewal 3/DRAFT

\*\*\*\* 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: 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 B: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)**

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

**Item C: Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)**

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

**Item D: Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)**

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

**Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)**

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and

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reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

**Item F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4 (a) (5)**

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

**Item G: Property Rights - 6 NYCRR 201-6.4 (a) (6)**

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

**Item H: Severability - 6 NYCRR 201-6.4 (a) (9)**

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

**Item I: Permit Shield - 6 NYCRR 201-6.4 (g)**

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

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

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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 J: Reopening for Cause - 6 NYCRR 201-6.4 (i)**

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

i. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of 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 the 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 section 201- 6.6 of this Subpart.

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

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

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

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

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

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

**Item K: 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 L: 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 for entire length of Permit****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



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contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

**Condition 2: Fees  
Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (7)**

**Item 2.1:**

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

**Condition 3: Recordkeeping and Reporting of Compliance Monitoring  
Effective for entire length of Permit**

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

**Item 3.1:**

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

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

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.2 of Part 201.

**Condition 4: Records of Monitoring, Sampling, and Measurement  
Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 201-6.4 (c) (2)**

**Item 4.1:**

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

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reports required by the permit.

**Condition 5: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 201-6.4 (c) (3) (ii)**

**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements,

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the report shall be contained in the 6 month monitoring report required above.

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

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

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

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

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

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

All semiannual reports may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent 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) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 6: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 6.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
  - the identification of each term or condition of the permit that is the basis of the certification;
  - the compliance status;
  - whether compliance was continuous or intermittent;
  - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
  - such other facts as the Department may require to

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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 annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent 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) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

Chief – Air Compliance Branch  
 USEPA Region 2 DECA/ACB  
 290 Broadway, 21st Floor  
 New York, NY 10007

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer  
 NYSDEC Region 8 Headquarters  
 6274 East Avon-Lima Road  
 Avon, NY 14414-9519

The address for the BQA is as follows:

NYSDEC

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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 1/30/2023.  
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**  
**Effective for entire length of Permit**

**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 106 days after the reporting period.  
Subsequent reports are due every 12 calendar month(s).

**Condition 8: Recordkeeping requirements**  
**Effective for entire length of Permit**

**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 for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 215.2**

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**Item 9.1:**

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

**Item 9.2**

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

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**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.**

**[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]**

**Condition 10: Maintenance of Equipment  
Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 10.1:**

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

**Condition 11: Recycling and Salvage  
Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 201-1.7**

**Item 11.1:**

Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

**Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air  
Effective for entire length of Permit**

**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 for entire length of Permit**

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

**Item 13.1:**

The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make



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them available to representatives of the department upon request.

**Condition 14: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 14.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 14.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

As proof of exempt eligibility for the emergency generators, the facility must maintain monthly records which demonstrate that each engine is operated less than 500 hours per year, on a 12-month rolling total basis.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 500 hours

Monitoring Frequency: UPON REQUEST OF REGULATORY AGENCY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 15: Trivial Sources - Proof of Eligibility**  
**Effective for entire length of Permit**

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

**Item 15.1:**

The owner or operator of an emission source or activity that is listed as being trivial in this Section may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request.

**Condition 16: Requirement to Provide Information**  
**Effective for entire length of Permit**

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

**Item 16.1:**

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

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

**Condition 17: Right to Inspect**  
**Effective for entire length of Permit**

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

**Item 17.1:**

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 18: Required Emissions Tests**  
**Effective for entire length of Permit**

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

**Item 18.1:**

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

**Condition 19: Accidental release provisions.**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40 CFR Part 68**

**Item 19.1:**

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

a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;

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b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:

1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,

2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

**Condition 20: Recycling and Emissions Reduction**  
**Effective for entire length of Permit**

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

**Item 20.1:**

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 21: Emission Unit Definition**  
**Effective for entire length of Permit**

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

**Item 21.1:**

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 21.2:**

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

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1B

**Item 21.3:**

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

Emission Unit: U-00005

Emission Unit Description:

This emission unit includes the Technology Development Samples Organization (TDOS) operations, including R&D (exempt) and small scale pilot and production operations.

Building(s): 1A

**Item 21.4:**

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 21.5:**

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

**Item 21.6:**

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

Emission Unit: U-00009

Emission Unit Description:

This unit addresses the Accelerated Purification Technology (APT) production operations.

Building(s): 1B

**Condition 22: Progress Reports Due Semiannually  
Effective for entire length of Permit**

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

**Item 22.1:**

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

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

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

**Condition 23: Operational Flexibility  
Effective for entire length of Permit**

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

**Item 23.1:**

A permit modification is not required for changes that are provided for in the permit. Such changes include approved alternate operating scenarios and changes that have been submitted and approved pursuant to an established operational flexibility protocol and the requirements of this section. Each such change cannot be a modification under any provision of Title I of the Clean Air Act or exceed, or cause the facility to exceed, an emissions cap or limitation in the permit. The facility owner or operator must incorporate all changes into any compliance certifications, record keeping, and/or reporting required by the permit.

**Condition 24: Compliance Certification  
Effective for entire length of Permit**

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

**Item 24.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 24.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operational Flexibility Plan

I. Protocol Objective

The objective of this condition is to maximize operational flexibility at the facility by building into the Title V permit the capability to make certain changes using a protocol. As provided under 6 NYCRR Part 201-6.4(f)(2), changes made under an approved protocol are not subject to the Title V permit modification provisions under 6 NYCRR Part 201-6.6.

II. Protocol

A. Criteria

1. Changes reviewed under this protocol shall be evaluated in accordance with the following criteria:

a. All underlying federal and state requirements with

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which the new or changed emission source must comply must exist in the Title V permit. Existing permit conditions may be amended to reference or include the new or changed emission source and any related information, and/or subject to DEC approval, new conditions proposed, to provide the appropriate monitoring parameters.

b. Any new or changed emission source shall not be part of a source project that results in a significant net emissions increase that exceeds the New Source Review (NSR) thresholds identified in 6 NYCRR Part 231.

c. The facility shall not use the protocol to make physical changes or changes in the method of operation of existing emissions sources that would require a new or modified federally enforceable cap either to avoid major NSR requirements or to address and comply with other Clean Air Act requirements, such as RACT. Such changes must be addressed via the significant permit modification provisions.

#### B. Notification Requirements for Changes Reviewed under the Protocol

1. The facility owner or operator must notify the Department in writing at least 30 calendar days in advance of making changes reviewed under the protocol which meet the criteria above.

2. Notifications made in accordance with this protocol will include the following documentation:

a. Identification of the Title V permit emission unit, process(es), emission sources and emission points affected by the proposed change with applicable revisions to the Emission Unit structure;

b. Description of the proposed change, including operating parameters;

c. Identification and description of emissions control technology;

d. Documentation of the project's, or emission source's, compliance with respect to all state and/or federally applicable requirements, including the following steps:

i. Calculate the emission rate potential and maximum projected actual annual emission rates for all contaminants affected by the change.

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- ii. Submit documentation of major NSR program non-applicability for NYSDEC review and approval.
- iii. Identify and evaluate the applicability of all regulations likely to be triggered by the new or changed emission source.
- iv. Propose any operating and record keeping procedures necessary to ensure compliance.
- e. Any other relevant information used for the evaluation of the proposed project or emission source under the Protocol.

#### C. Review and Approval of Changes

1. The facility owner or operator is permitted to proceed with the change 30 days from the Department's receipt of the notification or upon prior approval, whichever is first, unless the Department determines that a more detailed review or permit modification is required.
2. The Department may require a permit modification, in order to impose new applicable requirements or additional permit conditions if it determines that changes proposed pursuant to notification do not meet the criteria under II. A above or that the changes may have a significant air quality impact or be otherwise potentially significant under SEQRA (6 NYCRR Part 617).
3. The Department may require that the permittee not undertake the proposed change until it completes a more detailed review of the proposed change, which may include potential air quality impacts and/or applicable requirements. The Department's determination shall include a listing of information required for further review, if necessary.

#### D. Additional Compliance Obligations for Changes Made Under this Protocol

1. Upon commencement of the change, the facility shall comply with all applicable requirements and permit conditions, including any amended or proposed in accordance with II.A.1.a above.
2. The facility shall provide with the semi-annual monitoring report, a summary of the changes made in accordance with this protocol and a statement of the

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compliance status of each. Changes reported should include all those made during the corresponding period and any earlier changes that have not yet been incorporated into the permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 25: Non Applicable requirements  
Effective for entire length of Permit**

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

**Item 25.1:**

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

40 CFR Part 63, Subpart 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 for entire length of Permit**

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



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Facility DEC ID: 8464200009

**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: TOTAL HAP	

**Condition 27: Capping Monitoring Condition  
Effective for entire length of Permit**

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

**Item 27.1:**

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

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.

**Item 27.3:**

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

**Item 27.4:**

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

**Item 27.5:**

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

**Item 27.6:**

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

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Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

**Item 27.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

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 (19,800 lbs) 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.

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 19800 pounds per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 28: Capping Monitoring Condition  
Effective for entire length of Permit**

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

**Item 28.1:**

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

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

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other state and federal air pollution control requirements, regulations or law.

**Item 28.4:**

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

**Item 28.5:**

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

**Item 28.6:**

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

Emission Unit: U-00001

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

**Item 28.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

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 (49,800 lbs) 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 year. Records shall be kept on site for five years and made available to the Department upon request.

Parameter Monitored: TOTAL HAP

Upper Permit Limit: 49800 pounds per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 29: Statement dates for emissions statements.  
Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 202-2.4 (a) (3)**

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**Item 29.1:**

This facility is required to submit an annual emission statement electronically and these emissions statements must be submitted to the department as per the following schedule:

- (i) March 15th of each year for facilities with three or fewer processes listed in their Title V permit:
- (ii) March 31st of each year for facilities with four to six processes listed in their Title V permit:
- (iii) April 15th of each year for facilities with 7 to 12 processes listed in their Title V permit:
- (iv) April 30th of each year for facilities with 13 or more processes listed in their Title V permit.

**Condition 30: Visible Emissions Limited  
Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 211.2**

**Item 30.1:**

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

**Condition 31: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 212-1.6 (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: E0003
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

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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-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
Emission Unit: U-00002	Emission Point: E0014
Emission Unit: U-00002	Emission Point: E0015
Emission Unit: U-00002	Emission Point: E0070
Emission Unit: U-00002	Emission Point: E1608
Emission Unit: U-00002	Emission Point: E1610
Emission Unit: U-00002	Emission Point: E2040
Emission Unit: U-00005	Emission Point: E1650
Emission Unit: U-00009	Emission Point: E9000
Emission Unit: U-00009	Emission Point: E9001
Emission Unit: U-00009	Emission Point: E9002
Emission Unit: U-00009	Emission Point: E9003

**Item 31.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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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 212-1.6(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. The semiannual progress report and annual compliance certifications must include a summary of any instances of reported opacity along with any corrective actions and investigations performed.

Monitoring Frequency: SEMI-ANNUALLY

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 32: Emission Testing Using Approved Procedures Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 212-1.7 (a)**

**Item 32.1:**

a) Facility owners and/or operators of a process emission source required by the department to demonstrate compliance with this Part may be required to conduct capture efficiency and/or stack emissions testing using acceptable and approved procedures pursuant to Part 202 of this

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Title.

**Condition 33: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 212-2.1 (b)**

**Item 33.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 33.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: SEMI-ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 34: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 212-2.1 (b)**

**Item 34.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: CAP

Emission Source: S1530

Regulated Contaminant(s):

CAS No: 007664-39-3

HYDROGEN FLUORIDE

**Item 34.2:**

Compliance Certification 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 ( C1616or 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

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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 record 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.

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

**Condition 35: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 212-2.1 (b)**

**Item 35.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: CAP

Emission Source: C1616

Emission Unit: U-00001

Process: CAP

Emission Source: C1618

Regulated Contaminant(s):

CAS No: 007664-39-3

HYDROGEN FLUORIDE

**Item 35.2:**

Compliance Certification 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 the scrubbing media (limestone) in the device must be increased immediately



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should the low-level alarm be triggered. Corning shall keep records of all equipment maintenance and report semi-annually any instances where the low-level alarm was triggered and corrective action taken.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 36: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 212-2.1 (b)**

**Item 36.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0	CARBON MONOXIDE
CAS No: 007647-01-0	HYDROGEN CHLORIDE
CAS No: 007664-39-3	HYDROGEN FLUORIDE

**Item 36.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Corning has demonstrated that the ambient impact of hydrogen fluoride (HF), hydrochloric acid (HCL), and carbon monoxide (CO) emissions do not exceed the standard or guideline concentration standards, based on modeling submitted to the department. Any cause to believe that the dispersion modeling no longer accounts for the maximum facility wide emissions of these contaminants including new sources, increased production, greater emission rates, or changes to outlet configuration will require the dispersion modeling to be updated. Dispersion modeling shall be review and updated at least once per permit term.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 37: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 212-2.4 (b)**

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**Item 37.1:**

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: 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: E0070
Emission Unit: U-00002	Emission Point: E1608
Emission Unit: U-00002	Emission Point: E1610
Emission Unit: U-00002	Emission Point: E2040
Emission Unit: U-00005	Emission Point: E1650
Emission Unit: U-00005	
Process: CS1	
Emission Unit: U-00005	
Process: CS2	
Emission Unit: U-00009	Emission Point: E9000
Emission Unit: U-00009	Emission Point: E9001
Emission Unit: U-00009	Emission Point: E9002

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Emission Unit: U-00009

Emission Point: E9003

**Item 37.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. 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: 0.05 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: SEMI-ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 38: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 212-3.1 (c) (4) (i)**

**Item 38.1:**

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

Emission Unit: U-00001	Emission Point: E0003
Process: CAP	Emission Source: C0003
Emission Unit: U-00001	Emission Point: E157A
Process: CAP	Emission Source: S1530
Emission Unit: U-00001	Emission Point: E157B
Process: CAP	Emission Source: S1530
Emission Unit: U-00001	Emission Point: E157C
Process: CAP	Emission Source: S1530

**Item 38.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The exhaust from kilns No(s). 1-6 and K9 Kiln shall be discharged through a thermal oxidizer (Kiln 1-6: C157A or C157B or C157C; kiln 9: 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 212.3-1(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

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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.

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

**Condition 39: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 212-3.1 (c) (4) (i)**

**Item 39.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

**Item 39.2:**

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

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C157B, C157C, and C0003

7. Total natural gas usage for S1530 and S0003

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 40: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 212-3.1 (c) (4) (i)**

**Item 40.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 40.2:**

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 U-00005 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 proposed test protocol must be submitted prior to 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 the NYSDEC to be added as conditions of this permit.

Parameter Monitored: VOC

Lower Permit Limit: 81 percent

Reference Test Method: EPA METHOD 25A

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 41: Compliance Certification**

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**Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 212-3.1 (f)**

**Item 41.1:**

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: E0070
Emission Unit: U-00005	Emission Point: E1651
Emission Unit: U-00009	Emission Point: E9001

**Item 41.2:**

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 (a) of this Section that commence construction after August 15, 1994 must submit a RACT demonstration for nitrogen oxides and VOC emissions with each application for a permit to operate. RACT must be implemented on these emission points when operation commences. A RACT analysis is not required for new emission points with NOx and VOC 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 towns of Blooming Grove, Chester, Highlands, Monroe, Tuxedo, Warwick, and Woodbury and New

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York City metropolitan area.

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

**Condition 42: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 225-1.2 (d)**

**Item 42.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 42.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners or operators of emission sources that fire distillate oil are limited to a 0.0015 percent sulfur content by weight of the fuel. Compliance with the sulfur-in-fuel limitation is based on fuel vendor receipts. All fuel vendor receipts must be maintained on site or at a Department approved alternative location for a minimum of five years.

Note - Process sources and incinerators must comply with the above requirements on or after July 1, 2023.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
 Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL  
 Parameter Monitored: SULFUR CONTENT  
 Upper Permit Limit: 0.0015 percent by weight  
 Monitoring Frequency: PER DELIVERY  
 Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)  
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 43: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 43.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):



Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

CAS No: 0NY998-00-0 VOC

**Item 43.2:**

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

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Facility DEC ID: 8464200009

five years. This record must be made available to the Department upon request.

(6) Not clean sponges, fabric, wood, leather, paper products and other absorbent materials in a degreaser.

(7) If using a cold cleaning degreaser that is subject to paragraph 226.3(a)(4), retain a record of the following three items for five years and provide these records to the Department upon request. An invoice, a bill of sale, a certificate covering multiple sales, a Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this requirement.

(a) the name and address of the solvent supplier;

(b) the type of solvent including the product or vendor identification number; and

(c) the vapor pressure of the solvent measured in mm Hg at 20 °C (68 °F).

(8) Include in the semiannual monitoring report and annual compliance certifications ( required of all permittees subject to Title V) the solvent consumption required under (5) above, as well as a statement that the permittee's obligations under items (1) through (7) above have been met for the period of the report or certification.. This statement must be based on the permittees observations on a daily basis that the operation of the solvent metal cleaning process has met the above criteria. The permittee must maintain a log of instances when the above have not been met, and such statement must summarize these instances.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 44: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 227-1.4 (a)**

**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-00006

**Item 44.2:**

Compliance Certification shall include the following monitoring:

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

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.

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

**Condition 45: Compliance Certification**

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

**Effective for entire length of Permit**

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

**Item 45.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 45.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- (1) the date of the last tune-up;
- (2) the name, title, and affiliation of the person who made the adjustments; and
- (3) any other information that the department may require.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 46: Applicability of Subpart A General Provisions  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 60, NSPS Subpart A**

**Item 46.1:**

This emission source is subject to the applicable general provisions of 40 CFR 60. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

**Condition 47: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 60.4202(b), NSPS Subpart III**

**Item 47.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00006

Emission Point: E6008

Process: GEN

Emission Source: S6008

**Item 47.2:**

Compliance Certification shall include the following monitoring:

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Stationary CI internal combustion engine manufacturers must certify their 2007 model year and later emergency stationary CI ICE with a maximum engine power greater than 2,237 KW (3,000 HP) and a displacement of less than 10 liters per cylinder that are not fire pump engines to the emission standards specified in paragraphs (b)(1) through (2) of this section.

(b)(1) For 2007 through 2010 model years, the emission standards in table 1 to this subpart, for all pollutants, for the same maximum engine power.

(b)(2) For 2011 model year and later, the certification emission standards for new nonroad CI engines for engines of the same model year and maximum engine power in 40 CFR 89.112 and 40 CFR 89.113 for all pollutants.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 48: Duration of emission standards for new stationary compression ignition IC engines Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 60.4206, NSPS Subpart IIII**

**Item 48.1:**

Owners and operators of stationary combustion ignition internal combustion engine (CI ICE) must operate and maintain the stationary CI ICE that achieve the emission standards as required in §§60.4204 and 60.4205 over the entire life of the engine.

**Condition 49: Compliance Certification Effective for entire length of Permit**

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

**Item 49.1:**

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

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

Emission Unit: U-00006	Emission Point: E6008
Process: GEN	Emission Source: S6008

**Item 49.2:**

Compliance Certification shall include the following monitoring:

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

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, 2012. Except as otherwise specifically provided in this subpart, all NRLM diesel fuel is subject to the following per-gallon standards:

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

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 50: Compliance Certification  
Effective for entire length of Permit**

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

**Item 50.1:**

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

Emission Unit: U-00006	Emission Point: E6000
Process: DFP	Emission Source: S6000
Emission Unit: U-00006	Emission Point: E6008
Process: GEN	Emission Source: S6008

**Item 50.2:**

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

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 51: Compliance Certification  
Effective for entire length of Permit**

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

**Item 51.1:**

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

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

Emission Unit: U-00006	Emission Point: E6008
Process: GEN	Emission Source: S6008

**Item 51.2:**

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 III 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: UPON REQUEST BY REGULATORY AGENCY

**Condition 52: Compliance Certification  
Effective for entire length of Permit**

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

**Item 52.1:**

The Compliance Certification activity will be performed for the Facility.

Permit ID: 8-4642-00009/00109

Facility DEC ID: 846420009

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

**Item 52.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the facility owns or operates an emergency stationary ICE, the facility must operate the emergency stationary ICE according to the requirements in 40 CFR Part 60.4211(f)(1)-(3). In order for the engine to be considered an emergency stationary ICE, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in 40 CFR Part 60.4211(f)(1)-(3), is prohibited. If the facility does not operate the engine according to the requirements in 40 CFR Part 60.4211(f)(1)-(3), the engine will not be considered an emergency engine under this condition and must meet all requirements in 40 CFR Part 60, Subpart IIII for non-emergency engines.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 53: Compliance Certification  
 Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 60.4211(g), NSPS Subpart IIII**

**Item 53.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00006	Emission Point: E6008
Process: GEN	Emission Source: S6008

**Item 53.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the facility does not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or if the emission-related settings are changed in a way that is not permitted by the manufacturer, the facility must demonstrate compliance as follows:



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Facility DEC ID: 8464200009

(1) The owner or operator of a stationary CI internal combustion engine with maximum engine power less than 100 HP, must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, if the facility does not install and configure the engine and control device according to the manufacturer's emission-related written instructions, or if the emission related settings are changed in a way that is not permitted by the manufacturer, the facility must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of such action.

(2) The owner or operator of a stationary CI internal combustion engine greater than or equal to 100 HP and less than or equal to 500 HP, must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the facility must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer.

(3) The owner or operator of a stationary CI internal combustion engine greater than 500 HP, must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the facility must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after a change to emission-related settings in a way that is not permitted by the manufacturer. The facility must conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards.

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.

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

**Condition 54: Compliance Certification  
Effective for entire length of Permit**

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

**Item 54.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

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

Emission Unit: U-00006	Emission Point: E6008
Process: GEN	Emission Source: S6008

**Item 54.2:**

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 55: General Provisions  
Effective for entire length of Permit**

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

**Applicable Federal Requirement:40CFR 60.4218, NSPS Subpart IIII**

**Item 55.1:**

Table 8 of Subpart IIII 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 IIII.

**Condition 56: Compliance by purchasing a certified engine  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 60.4243(b)(1), NSPS Subpart JJJJ**

**Item 56.1:**

This Condition applies to:

Emission Unit: U00006      Emission Point: E6010

**Item 56.2:**

The owner or operator of a stationary SI internal combustion engine that must comply with the emission standards specified in 40 CFR 60.4233(d) or (e) demonstrates compliance by purchasing an engine certified according to procedures specified in subpart JJJJ, for the same model year and demonstrating compliance according to one of the methods specified in 40 CFR 63.4243(a).

**Condition 57: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 60.4243(d), NSPS Subpart JJJJ**

**Item 57.1:**

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

Emission Unit: U-00006      Emission Point: E6010

**Item 57.2:**

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 any combination of the purposes specified in paragraphs (d)(2) (i) through (iii) for a maximum of 100 hours per calendar year. Any operation for nonemergency situations as allowed by 40 CFR 60.4243(d)(3) counts as part of the 100 hours per calendar year. There is no time limit on the use of emergency stationary ICE in emergency situations.

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As per (d)(2)(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. 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 calendar year.

As per (d)(2)(ii) Emergency stationary ICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see 40 CFR 60.17), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

As per (d)(2)(iii) Emergency stationary ICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

Parameter Monitored: HOURS OF OPERATION

Upper Permit Limit: 100 hours per year

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 12 calendar month(s).

**Condition 58: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 60.4245(a), NSPS Subpart JJJJ**

**Item 58.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00006

Emission Point: E6010

**Item 58.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

Monitoring Description:

Owners or operators of stationary SI ICE that are subject to the provisions of 40 CFR Subpart JJJJ must meet the following notification, reporting and recordkeeping requirements.

- (1) All notifications submitted to comply with this subpart and all documentation supporting any notification.
- (2) Maintenance conducted on the engine.
- (3) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable
- (4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to §60.4243(a)(2), documentation that the engine meets the emission standards.

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

**Condition 59: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 60.4245(b), NSPS Subpart JJJJ**

**Item 59.1:**

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

Emission Unit: U-00006                      Emission Point: E6010

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

**Item 59.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For all stationary SI emergency ICE greater than or equal to 500 HP manufactured on or after July 1, 2010, that do

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Facility DEC ID: 846420009

not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. For all stationary SI emergency ICE greater than or equal to 130 HP and less than 500 HP manufactured on or after July 1, 2011 that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. For all stationary SI emergency ICE greater than 25 HP and less than 130 HP manufactured on or after July 1, 2008, that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep 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.

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

**Condition 60: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 60.1:**

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 60.2:**

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

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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.

Reference Test Method: Method 9  
 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.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 61: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 61.1:**

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 61.2:**

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

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

**Condition 62: Compliance Certification  
 Effective for entire length of Permit**

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

**Item 62.1:**

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

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

**Item 62.2:**

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



Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

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

**Condition 63: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 63.1:**

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: E1541
Emission Unit: U-00001	Emission Point: E1547
Emission Unit: U-00001	Emission Point: E1593
Emission Unit: U-00002	Emission Point: E1546
Emission Unit: U-00002	Emission Point: E1614

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

**Item 63.2:**

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

**Condition 64: Compliance Certification**

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 60.673, NSPS Subpart OOO**

**Item 64.1:**

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: E1541
Emission Unit: U-00001	Emission Point: E1547
Emission Unit: U-00001	Emission Point: E1593
Emission Unit: U-00002	Emission Point: E1546
Emission Unit: U-00002	Emission Point: E1614

**Item 64.2:**

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.

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

**Condition 65: Compliance Certification  
Effective for entire length of Permit**

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

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

**Item 65.1:**

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

**Item 65.2:**

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

**Condition 66: Compliance Certification**

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

**Effective for entire length of Permit**

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

**Item 66.1:**

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

**Item 66.2:**

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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 67:     Test methods and procedures  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 60.675, NSPS Subpart OOO**

**Item 67.1:**

This Condition applies to:

Emission Unit: U00001                      Emission Point: E0002

Emission Unit: U00001                      Emission Point: E1541

Emission Unit: U00001                      Emission Point: E1547

Emission Unit: U00001                      Emission Point: E1593

Emission Unit: U00002                      Emission Point: E1546

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Emission Unit: U00002      Emission Point: E1614

**Item 67.2:**

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 68:      Reporting and Recordkeeping for Replacement of Equipment  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 60.676(a), NSPS Subpart 000**

**Item 68.1:**

This Condition applies to:

Emission Unit: U00001      Emission Point: E0002

Emission Unit: U00001      Emission Point: E1541

Emission Unit: U00001      Emission Point: E1547

Emission Unit: U00001      Emission Point: E1593

Emission Unit: U00002      Emission Point: E1546

Emission Unit: U00002      Emission Point: E1614

**Item 68.2:**

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

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- (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 69: Compliance Certification  
Effective for entire length of Permit**

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

**Item 69.1:**

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

**Item 69.2:**

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.

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

**Condition 70: Compliance Certification  
Effective for entire length of Permit**

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

**Item 70.1:**

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

- Emission Unit: U-00001                      Emission Point: E1541

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Emission Unit: U-00001

Emission Point: E1593

**Item 70.2:**

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)

Reports due 30 days after the reporting period.

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

**Condition 71: Compliance Certification  
Effective for entire length of Permit**

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

**Item 71.1:**

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: E1541

Emission Unit: U-00001

Emission Point: E1547

Emission Unit: U-00001

Emission Point: E1593

Emission Unit: U-00002

Emission Point: E1546

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Emission Unit: U-00002

Emission Point: E1614

**Item 71.2:**

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.

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

**Condition 72: Subpart 60.7(a)(1) requirement waived  
Effective for entire length of Permit**

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

**Item 72.1:**

This Condition applies to:

Emission Unit: U00001 Emission Point: E0002

Emission Unit: U00001 Emission Point: E1541

Emission Unit: U00001 Emission Point: E1547

Emission Unit: U00001 Emission Point: E1593

Emission Unit: U00002 Emission Point: E1546

Emission Unit: U00002 Emission Point: E1614

**Item 72.2:**

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 73: Notification of startup  
Effective for entire length of Permit**

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



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**Item 73.1:**

This Condition applies to:

Emission Unit: U00001	Emission Point: E0002
Emission Unit: U00001	Emission Point: E1541
Emission Unit: U00001	Emission Point: E1547
Emission Unit: U00001	Emission Point: E1593
Emission Unit: U00002	Emission Point: E1546
Emission Unit: U00002	Emission Point: E1614

**Item 73.2:**

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 74: Compliance Certification  
Effective for entire length of Permit**

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

**Item 74.1:**

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: E1541
Emission Unit: U-00001	Emission Point: E1547
Emission Unit: U-00001	Emission Point: E1593
Emission Unit: U-00002	Emission Point: E1546
Emission Unit: U-00002	Emission Point: E1614

**Item 74.2:**

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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.

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

**Condition 75: Stationary RICE subject to Regulations under 40 CFR Part 60 Effective for entire length of Permit**

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

**Item 75.1:**

This Condition applies to:

Emission Unit: U00006	Emission Point: E6001
Process: GEN	Emission Source: S6001

Emission Unit: U00006	Emission Point: E6003
Process: GEN	Emission Source: S6003

Emission Unit: U00006	Emission Point: E6004
Process: GEN	Emission Source: S6004

Emission Unit: U00006	Emission Point: E6005
Process: GEN	Emission Source: S6005

**Item 75.2:**

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,

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- 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.

**Condition 76: Compliance Certification  
Effective for entire length of Permit**

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

**Item 76.1:**

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

**Item 76.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an existing emergency and black start compression ignition stationary RICE located at an area source of HAP emissions must comply with the following maintenance procedures:

- (1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
- (2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;
- (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.6630.

Continuous compliance will then be demonstrated according to 40 CFR 63.6640. The facility must keep records according to the provisions in 40 CFR 63.6655 and submit the notifications and reports listed in 40 CFR 63.6645 and

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63.6650.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 77: Compliance Certification  
Effective for entire length of Permit**

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

**Item 77.1:**

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 77.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

The owner or operator of an existing emergency and black start spark ignition stationary RICE located at an area source of HAP emissions must comply with the following maintenance procedures:

- (1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
- (2) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;
- (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.6630.

Continuous compliance will then be demonstrated according to 40 CFR 63.6640. The facility must keep records according to the provisions in 40 CFR 63.6655 and submit the notifications and reports listed in 40 CFR 63.6645 and 63.6650.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 78: Compliance required at all times  
Effective for entire length of Permit**

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

**Item 78.1:**

This Condition applies to:

Emission Unit: U00006	Emission Point: E6001
Process: GEN	Emission Source: S6001
Emission Unit: U00006	Emission Point: E6003
Process: GEN	Emission Source: S6003
Emission Unit: U00006	Emission Point: E6004
Process: GEN	Emission Source: S6004
Emission Unit: U00006	Emission Point: E6005
Process: GEN	Emission Source: S6005

**Item 78.2:**

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 79: Operate and maintain air pollution control and monitoring equipment consistent with good engineering practices  
Effective for entire length of Permit**

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

**Item 79.1:**

This Condition applies to:

Emission Unit: U00006	Emission Point: E6001
Process: GEN	Emission Source: S6001
Emission Unit: U00006	Emission Point: E6003
Process: GEN	Emission Source: S6003
Emission Unit: U00006	Emission Point: E6004
Process: GEN	Emission Source: S6004
Emission Unit: U00006	Emission Point: E6005
Process: GEN	Emission Source: S6005

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**Item 79.2:**

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 80: Compliance Certification  
Effective for entire length of Permit**

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

**Item 80.1:**

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

Emission Unit: U-00006	
Process: GEN	Emission Source: S6001
Emission Unit: U-00006	
Process: GEN	Emission Source: S6003
Emission Unit: U-00006	
Process: GEN	Emission Source: S6004
Emission Unit: U-00006	
Process: GEN	Emission Source: S6005

**Item 80.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any of the following stationary RICE 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:

- (1) An existing stationary RICE with a site rating of less than 100 brake horsepower located at a major source of HAP emissions;
- (2) An existing emergency or black start stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions;
- (3) An existing emergency or black start stationary RICE located at an area source of HAP emissions;

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(4) An existing non-emergency, non-black start stationary compression ignition RICE with a site rating less than or equal to 300 brake horsepower located at an area source of HAP emissions;

(5) An existing non-emergency, non-black start 2 stroke lean burn stationary RICE located at an area source of HAP emissions;

(6) An existing non-emergency, non-black start stationary RICE located at an area 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;

(7) An existing non-emergency, non-black start 4 stroke lean burn stationary RICE with a site rating less than or equal to 500 brake horsepower located at an area source of HAP emissions;

(8) An existing non-emergency, non-black start 4 stroke rich burn stationary RICE with a site rating less than or equal to 500 brake horsepower located at an area source of HAP emissions;

(9) An existing, non-emergency, non-black start 4 stroke lean burn stationary RICE with a site rating greater than 500 brake horsepower located at an area source of HAP emissions that is operated 24 hours or less per calendar year; and

(10) An existing, non-emergency, non-black start 4 stroke rich burn stationary RICE with a site rating greater than 500 brake horsepower located at an area source of HAP emissions that is operated 24 hours or less per calendar year.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 81: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 81.1:**

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

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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 81.2:**

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: UPON REQUEST BY REGULATORY AGENCY

**Condition 82: Compliance Certification  
Effective for entire length of Permit**

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

**Item 82.1:**

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  
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 82.2:**

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



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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: UPON REQUEST BY REGULATORY AGENCY

**Condition 83: Compliance Certification  
Effective for entire length of Permit**

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

**Item 83.1:**

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

**Item 83.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary CI engine that is subject to the work, operation or management practices in items 1 or 2 of Table 2c to subpart ZZZZ or in items 1 or 4 of Table 2d to 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 to subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to 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 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

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change the oil within 2 business 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 business 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 84: Compliance Certification  
Effective for entire length of Permit**

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

**Item 84.1:**

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 84.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary SI engine that is subject to the work, operation or management practices in items 6, 7, or 8 of Table 2c to subpart ZZZZ or in items 5, 6, 7, 9, or 11 of Table 2d to 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 to subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to 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

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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 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 business 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 business 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 85: Compliance Certification  
Effective for entire length of Permit**

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

**Item 85.1:**

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 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 85.2:**

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

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

The facility must keep records readily accessible in hard copy or electronic form for at least 5 years after the date of each deviation according to 40 CFR 63.10(b)(1).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 86: Compliance Certification  
Effective for entire length of Permit**

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

**Item 86.1:**

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: 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 86.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an emergency stationary RICE must operate the emergency stationary RICE according to the requirements in 40 CFR 63.6640(f)(1) through (4). In order for the engine to be considered an emergency stationary RICE under subpart ZZZZ, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in 40 CFR 63.6640(f)(1) through (4), is prohibited. If the owner or operator does not operate the engine according to the requirements in 40 CFR 63.6640(f)(1) through (4), the engine will not be considered an emergency engine under subpart ZZZZ and must meet all requirements for non-emergency engines.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 87: Compliance reports  
Effective for entire length of Permit**

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

**Item 87.1:**

This Condition applies to:

Emission Unit: U00006	Emission Point: E6001
Process: GEN	Emission Source: S6001
Emission Unit: U00006	Emission Point: E6003
Process: GEN	Emission Source: S6003
Emission Unit: U00006	Emission Point: E6004
Process: GEN	Emission Source: S6004
Emission Unit: U00006	Emission Point: E6005
Process: GEN	Emission Source: S6005

**Item 87.2:**

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

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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 88: Deviation reports  
Effective for entire length of Permit**

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

**Item 88.1:**

This Condition applies to:

Emission Unit: U00006	Emission Point: E6001
Process: GEN	Emission Source: S6001
Emission Unit: U00006	Emission Point: E6003
Process: GEN	Emission Source: S6003
Emission Unit: U00006	Emission Point: E6004
Process: GEN	Emission Source: S6004
Emission Unit: U00006	Emission Point: E6005
Process: GEN	Emission Source: S6005

**Item 88.2:**

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 40 CFR 63.6650(c)(1) through (4) and the information in paragraphs (1) and (2) below.

(1) The total operating time of the stationary RICE at which the deviation occurred during the reporting period.

(2) Information on the number, duration, and cause of deviations (including unknown cause, if

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applicable), as applicable, and the corrective action taken.

**Condition 89: Title V and NESHAP reporting  
Effective for entire length of Permit**

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

**Item 89.1:**

This Condition applies to:

Emission Unit: U00006  
Process: GEN

**Item 89.2:**

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.

**Condition 90: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.6655, Subpart ZZZZ**

**Item 90.1:**

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: 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 90.2:**

Compliance Certification shall include the following monitoring:

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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: UPON REQUEST BY REGULATORY AGENCY

**Condition 91: General provisions  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.6665, Subpart ZZZZ**

**Item 91.1:**

This Condition applies to:



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Emission Unit: U00006  
 Process: GEN

**Item 91.2:**

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.

**Condition 92: Compliance Certification  
 Effective for entire length of Permit**

**Applicable Federal Requirement: 40 CFR Part 64**

**Item 92.1:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 92.2:**

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  
 S9001/C9001

Indicator:

1. Oxidizer combustion chamber temperature. (C157A, C157B, C9001)
2. Oxidizer catalyst inlet and outlet temperatures. (C157C)
3. Administrative Controls. System programming directs emissions to the oxidizer as specified for each firing cycle's control period for kiln sources. System programming to direct emission from S9001 to oxidizer while source is running.
4. Inspection and maintenance of the control devices.

Indicator Range:

1. Specific temperature limits for each affected control device are consistent with those included in the

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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 combustion chamber temperature and catalyst inlet and outlet temperatures are 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 combustion chamber temperatures and catalyst inlet and outlet temperatures are set consistent with performance testing results and manufacturer's operating recommendations.
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 (C157A, C157B, C9001), catalyst inlet and outlet temperature (C157C), 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.

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

**Condition 93: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40 CFR Part 64**

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**Item 93.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 93.2:**

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

SCM01 & SCM04/C1650

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.
2. An average opacity of less than 20% (6-minute average) for S1545/C1545, S1610/C0013, S1610/C0014, 1604/C0011, SCM01 & SCM04/C1650.
3. 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

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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.

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

**Condition 94: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40 CFR Part 64**

**Item 94.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

**Item 94.2:**

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

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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.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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

**Condition 95: Emission Point Definition By Emission Unit  
Effective for entire length of Permit**

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

**Item 95.1:**

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	Removal Date:	12/21/2016
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 Width (in.): 83
NYTMN (km.):	4664.84	NYTME (km.):	322.757 Building: 1A
Emission Point:	E1541		
Height (ft.):	62	Diameter (in.):	7
NYTMN (km.):	4664.84	NYTME (km.):	322.757 Building: 1A

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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	
	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

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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 95.2:**

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: E0070  
 Height (ft.): 34 Diameter (in.): 12  
 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  
 Removal Date: 12/21/2016

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



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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	Removal Date: 12/21/2016
NYTMN (km.): 4664.84	NYTME (km.): 322.757	
Emission Point: E2040		
Height (ft.): 37	Diameter (in.): 40	
NYTMN (km.): 4664.84	NYTME (km.): 322.757	
Emission Point: E2050		
Height (ft.): 33	Diameter (in.): 5	Removal Date: 12/21/2016
NYTMN (km.): 4664.84	NYTME (km.): 322.757	
Emission Point: E2060		
Height (ft.): 38	Diameter (in.): 16	Removal Date: 12/21/2016
NYTMN (km.): 4664.84	NYTME (km.): 322.757	
Emission Point: E2061		
Height (ft.): 38	Diameter (in.): 16	Removal Date: 12/21/2016
NYTMN (km.): 4664.84	NYTME (km.): 322.757	

**Item 95.3:**

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

Emission Unit: U-00005		
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		

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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 95.4:**

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: 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: E6008		
Height (ft.): 10	Diameter (in.): 6	
NYTMN (km.): 4664.64	NYTME (km.): 322.757	Building: 1A
Emission Point: E6010		
Height (ft.): 5	Diameter (in.): 3	
NYTMN (km.): 4664.84	NYTME (km.): 322.757	

**Item 95.5:**

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

Emission Unit: U-00008

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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

**Item 95.6:**

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

Emission Unit: U-00009

Emission Point: E9000  
 Height (ft.): 28 Diameter (in.): 21  
 NYTMN (km.): 4671.852 NYTME (km.): 322.224 Building: 1B

Emission Point: E9001  
 Height (ft.): 28 Diameter (in.): 6  
 NYTMN (km.): 4655.852 NYTME (km.): 326.724 Building: 1B

Emission Point: E9002  
 Height (ft.): 28 Diameter (in.): 8  
 NYTMN (km.): 4663.852 NYTME (km.): 326.724 Building: 1B

Emission Point: E9003  
 Height (ft.): 28 Length (in.): 24 Width (in.): 20  
 NYTMN (km.): 4661.852 NYTME (km.): 323.724 Building: 1B

**Condition 96: Process Definition By Emission Unit  
 Effective for entire length of Permit**

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

**Item 96.1:**

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

Emission Source/Control: C0002 - Control

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Facility DEC ID: 8464200009

Control Type: DUST COLLECTOR

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: CATALYTIC AFTERBURNER WITH HEAT  
EXCHANGER

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



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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: C2040 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: S1546 - Process

Emission Source/Control: S1608 - Process

Emission Source/Control: S1610 - Process

Emission Source/Control: S1614 - Process

Emission Source/Control: S2040 - Process

Emission Source/Control: S2060 - Process      Removal Date: 12/21/2016

**Item 96.4:**

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: C1650 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: C1652 - Control  
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: S1604 - Process

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Emission Source/Control: SCM01 - Process

Emission Source/Control: SCM02 - Process

Emission Source/Control: SCM03 - Process

Emission Source/Control: SCM04 - Process

**Item 96.5:**

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

Emission Unit: U-00005

Process: CS2

Source Classification Code: 3-05-008-99

Process Description: This process includes equipment used for R&D.

Emission Source/Control: C1650 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: C1652 - Control  
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: C1653 - Control  
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: C1654 - Control  
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: C1655 - Control  
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: C1656 - Control  
Control Type: THERMAL OXIDATION

Emission Source/Control: S1604 - Process

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

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Emission Source/Control: SCM09 - Process

Emission Source/Control: SCM10 - Process

**Item 96.6:**

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 exempt/trivial diesel fire pump engine.

Emission Source/Control: S6000 - Combustion

**Item 96.7:**

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 the exempt/trivial natural gas and diesel fired emergency generators.

Emission Source/Control: S6001 - Combustion

Emission Source/Control: S6003 - Combustion

Emission Source/Control: S6004 - Combustion

Emission Source/Control: S6005 - Combustion

Emission Source/Control: S6008 - Combustion

Emission Source/Control: S6010 - Combustion

Design Capacity: 268 horsepower (electric)

**Item 96.8:**

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



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Emission Source/Control: S8001 - Process

**Item 96.9:**

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

Emission Unit: U-00009  
 Process: APT Source Classification Code: 4-02-999-98  
 Process Description: APT manufacturing operations

Emission Source/Control: C9001 - Control  
 Control Type: THERMAL OXIDATION

Emission Source/Control: S9000 - Process

Emission Source/Control: S9001 - Process

Emission Source/Control: S9002 - Process

Emission Source/Control: S9003 - Process

**Condition 97: Emission Unit Permissible Emissions  
 Effective for entire length of Permit**

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

**Item 97.1:**

The sum of emissions from all regulated processes specified in this permit for the emission unit cited

shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: U-00001	
CAS No: 0NY075-00-0	
Name: PARTICULATES	
PTE(s): 6 pounds per hour	55,900 pounds per year
CAS No: 0NY075-00-5	
Name: PM-10	
PTE(s): 4 pounds per hour	35,900 pounds per year
CAS No: 0NY210-00-0	
Name: OXIDES OF NITROGEN	
PTE(s): 10 pounds per hour	89,760 pounds per year
CAS No: 0NY998-00-0	
Name: VOC	
PTE(s): 14 pounds per hour	122,400 pounds per year

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**Condition 98: Capping Monitoring Condition  
Effective for entire length of Permit****Applicable Federal Requirement: 6 NYCRR Subpart 201-7****Item 98.1:**

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

40 CFR 52.21

**Item 98.2:**

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

**Item 98.3:**

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 98.4:**

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 98.5:**

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 98.6:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 98.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

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## Monitoring Description:

The VOC emissions from this unit shall not exceed 61.2 tons per year (122,400 lbs/yr) 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 calculations are subject to Department approval.

Parameter Monitored: VOC

Upper Permit Limit: 122400 pounds per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 12 calendar month(s).

**Condition 99: Capping Monitoring Condition  
Effective for entire length of Permit**

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

**Item 99.1:**

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

40 CFR 52.21

**Item 99.2:**

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

**Item 99.3:**

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 99.4:**

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 99.5:**

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

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201 and of the Act.

**Item 99.6:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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

**Item 99.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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 (55,900 lbs/yr) 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.

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 upon request to verify the control efficiency used in the particulate calculations. Stack tests may be required if the information provided is insufficient to support the control efficiency claim.

Parameter Monitored: PARTICULATES  
Upper Permit Limit: 55900 pounds per year  
Monitoring Frequency: MONTHLY  
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 12 calendar month(s).

**Condition 100: Capping Monitoring Condition**  
**Effective for entire length of Permit**

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

**Item 100.1:**

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

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otherwise be subject to:

40 CFR 52.21

**Item 100.2:**

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

**Item 100.3:**

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 100.4:**

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 100.5:**

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 100.6:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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

**Item 100.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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 (35,900 lbs/yr) 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

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approval.

Parameter Monitored: PM-10

Upper Permit Limit: 35900 pounds per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 12 calendar month(s).

**Condition 101: Capping Monitoring Condition  
Effective for entire length of Permit**

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

**Item 101.1:**

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

40 CFR 52.21

**Item 101.2:**

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

**Item 101.3:**

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 101.4:**

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 101.5:**

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 101.6:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

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

**Item 101.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes  
 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 (89,760 lbs/yr) 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 approval.

Parameter Monitored: OXIDES OF NITROGEN  
 Upper Permit Limit: 89760 pounds per year  
 Monitoring Frequency: MONTHLY  
 Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY  
 Reporting Requirements: ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 Subsequent reports are due every 12 calendar month(s).

**Condition 102: Compliance Certification  
 Effective for entire length of Permit**

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

**Item 102.1:**

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 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 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,

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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.

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

**Condition 103: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 212-3.1 (c) (4) (i)**

**Item 103.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: E0003

Process: CAP

Emission Source: C0003

**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 ensure compliance with the Part 212-3.1(c)(4)(i) requirement of overall removal efficiency of at least 81% for VOC, the combustion chamber temperature of thermal oxidizer C0003 shall be monitored continuously and maintained above 1280 degrees F. The temperature limitation may be altered based on new stack testing data.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1280 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 5



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Facility DEC ID: 8464200009

MINUTES

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 104: Compliance Certification  
Effective for entire length of Permit**

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

**Item 104.1:**

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 104.2:**

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 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.

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

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**Condition 105: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 212-2.4 (b)**

**Item 105.1:**

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 105.2:**

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 212-2.4(b)(1) 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 DROP  
 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.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 106: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 106.1:**

The Compliance Certification activity will be performed for:

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

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

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

**Item 106.2:**

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

**Condition 107: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 212-3.1 (c) (4) (i)**

**Item 107.1:**

The Compliance Certification activity will be performed for:

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

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

**Item 107.2:**

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 212-3.1(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.

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

**Condition 108: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 212-3.1 (c) (4) (i)**

**Item 108.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: E157B

Process: CAP

Emission Source: C157B

**Item 108.2:**

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 212-3.1(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

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 5 MINUTES

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 109: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 212-3.1 (c) (4) (i)**

**Item 109.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: E157C

Process: CAP

Emission Source: C157C

**Item 109.2:**

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 212-3.1(c)(4)(i) requirement for overall removal efficiency of at least 81% for VOC, the catalyst outlet temperature of catalytic oxidizer C157C shall be monitored continuously and maintained between 310 degrees Celsius and 677 degrees Celsius during each firing cycle's established VOC control period. The temperature limitation may be altered based on new stack testing data.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 310 degrees Centigrade (or Celsius)

Upper Permit Limit: 677 degrees Centigrade (or Celsius)

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.

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

**Condition 110: Compliance Certification  
Effective for entire length of Permit**

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

**Item 110.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: E1593

Process: CAP

Emission Source: C1593

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

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

**Item 110.2:**

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

**Condition 111: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 212-2.4 (b)**

**Item 111.1:**

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

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Facility DEC ID: 8464200009

**Item 111.2:**

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 212-2.4(b) 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 DROP

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.

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

**Condition 112: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 212-2.4 (b)**

**Item 112.1:**

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 112.2:**

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 212-2.4(b) particulate limit of 0.05 grain/dscf, when

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Facility DEC ID: 8464200009

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 DROP  
 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: ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 Subsequent reports are due every 12 calendar month(s).

**Condition 113: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 212-2.4 (b)**

**Item 113.1:**

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 113.2:**

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 212-2.4(b) 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



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Facility DEC ID: 8464200009

necessary. Pressure drop readings and maintenance records shall be kept on site and made available to the Department upon request.

Parameter Monitored: PRESSURE DROP  
 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.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 114: Compliance Certification  
 Effective for entire length of Permit**

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

**Item 114.1:**

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 114.2:**

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.

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Parameter Monitored: PRESSURE DROP  
 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.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 115: Compliance Certification  
 Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 212-2.4 (b)**

**Item 115.1:**

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 115.2:**

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 212-2.4(b) 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 DROP  
 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)



Permit ID: 8-4642-00009/00109

Facility DEC ID: 846420009

**Item 117.1:**

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 117.2:**

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

**Condition 118: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 212-2.4 (b)**

**Item 118.1:**

The Compliance Certification activity will be performed for:

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

Emission Unit: U-00002  
 Process: OTH

Emission Point: E2040  
 Emission Source: C2040

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

**Item 118.2:**

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 212-2.4(b) 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 DROP

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.

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

**Condition 119: Compliance Certification  
 Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 212-2.4 (b)**

**Item 119.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00005  
 Process: CS1

Emission Point: E1650  
 Emission Source: C1650

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

**Item 119.2:**

Compliance Certification shall include the following monitoring:

Permit ID: 8-4642-00009/00109

Facility DEC ID: 8464200009

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

Monitoring Description:

In order to demonstrate compliance with the 6 NYCRR Part 212-2.4(b) particulate limit of 0.05 grain/dscf, when Emission Source SCM01 and SCM04 is 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 DROP

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.

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

**Condition 120: Contents of compliance reports**  
**Effective for entire length of Permit**

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

**Item 120.1:**

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

**Item 120.2:**

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

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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 121: Deviation reporting to be included in compliance reports  
Effective for entire length of Permit**

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

**Item 121.1:**

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

**Item 121.2:**

For each deviation from an emission or operating limitation occurring for a stationary RICE where the facility is using a CMS to comply with the emission and operating limitations in 40 CFR 63 Subpart ZZZZ, the compliance report must include information in paragraphs 40 CFR 63.6650(c)(1) through (4) and (1) through (12) below.

- (1) The date and time that each malfunction started and stopped.
- (2) The date, time, and duration that each CMS was inoperative, except for zero (low-level) and high-level checks.
- (3) The date, time, and duration that each CMS was out-of-control, including the information in 40 CFR 63.8(c)(8).
- (4) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of malfunction or during another period.
- (5) A summary of the total duration of the deviation during the reporting period, and the total duration as a percent of the total source operating time during that reporting period.
- (6) A breakdown of the total duration of the deviations during the reporting period into those that are due to control equipment problems, process problems, other known causes, and other unknown causes.
- (7) A summary of the total duration of CMS downtime during the reporting period, and the total duration of CMS downtime as a percent of the total operating time of the stationary RICE at which the CMS downtime occurred during that reporting period.
- (8) An identification of each parameter and pollutant (CO or formaldehyde) that was monitored at the stationary RICE.

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- (9) A brief description of the stationary RICE.
- (10) A brief description of the CMS.
- (11) The date of the latest CMS certification or audit.
- (12) A description of any changes in CMS, processes, or controls since the last reporting period.

**Condition 122: Compliance Certification**  
**Effective for entire length of Permit**

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

**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:

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 DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 123: Compliance Certification**  
**Effective for entire length of Permit**

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

**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:



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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 IIII 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.

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

**Condition 124: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 60.4209(b), NSPS Subpart IIII**

**Item 124.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00006

Emission Point: E6008

Process: GEN

Emission Source: S6008

**Item 124.2:**

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary compression ignition IC engine subject to the emission standards in 60.4204 and equipped with a diesel particulate filter must install a backpressure monitor that provides notice when the high backpressure limit of the engine is approached. The owner and/or operator shall maintain records of backpressure on a regular basis.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 125: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 60.4233(e), NSPS Subpart JJJJ**

**Item 125.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00006

Emission Point: E6010

**Item 125.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the facility starts up a new or reconstructed stationary RICE located at an area source of HAP emissions the facility must comply with the applicable emission limitations and operating limitations in 40 CFR 60 subpart JJJJ upon startup.

Monitoring Frequency: SEMI-ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 126: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 60.4243(a)(1), NSPS Subpart JJJJ**

**Item 126.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00006

Emission Point: E6010

Regulated Contaminant(s):

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

**Item 126.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If you are an owner or operator of a stationary SI internal combustion engine that is manufactured after July 1, 2008, and must comply with the emission standards specified in §60.4233(a) through (c), you must comply by purchasing an engine certified to the emission standards in §60.4231(a) through (c), as applicable, for the same engine class and maximum engine power. You must also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply to you. If you adjust engine settings according to and consistent with the manufacturer's instructions, your stationary SI internal combustion engine will not be considered out of compliance. In addition, you must meet one of the requirements specified below:

If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if you are an owner or operator.

Monitoring Frequency: SEMI-ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 127: Compliance Certification  
Effective for entire length of Permit****Applicable Federal Requirement: 6 NYCRR 229.3 (e) (2) (v)****Item 127.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

**Item 127.2:**

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



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**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: Emergency Defense - 6 NYCRR 201-1.5**

An emergency, as defined in 6 NYCRR subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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

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

(2) the equipment at the facility was being properly operated and maintained;

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

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

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

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

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

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all

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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 129: Contaminant List**  
**Effective for entire length of Permit**

**Applicable State Requirement: ECL 19-0301**

**Item 129.1:**

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

CAS No: 000630-08-0  
Name: CARBON MONOXIDE

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: TOTAL HAP

CAS No: 0NY210-00-0

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Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0

Name: VOC

**Condition 130: Malfunctions and Start-up/Shutdown Activities  
Effective for entire length of Permit****Applicable State Requirement: 6 NYCRR 201-1.4****Item 130.1:**

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment maintenance and start-up/shutdown activities when they are expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when required by a permit condition or upon request by the department. Such reports shall state whether an exceedance occurred and if it was unavoidable, include the time, frequency and duration of the exceedance, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous monitoring and quarterly reporting requirements need not submit additional reports of exceedances to the department.

(c) In the event that air contaminant emissions exceed any applicable emission standard due to a malfunction, the facility owner or operator shall notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. In addition, the facility owner or operator shall compile and maintain a record of all malfunctions. Such records shall be maintained at the facility for a period of at least five years and must be made available to the department upon request. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, the air contaminants emitted, and the resulting emission rates and/or opacity.

(d) The department may also require the facility owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

**Condition 131: Requirement to Commence Construction**

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**Effective for entire length of Permit**

**Applicable State Requirement:6 NYCRR 201-1.15**

**Item 131.1:**

The Department may suspend, modify or revoke the permit, pursuant to 6 NYCRR Part 621, if construction has not commenced within 18 months of the date of permit issuance, or construction has been discontinued for a period of more than 18 months at any point after the date of permit issuance.

The Department may grant the facility owner or operator an extension of up to 18 months upon a showing of good cause submitted in writing.

**Condition 132: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable State Requirement:6 NYCRR 201-1.16 (a) (3)**

**Item 132.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 132.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

R&D operations occurring in equipment subject to an emission unit level or facility level cap are subject to these caps and all other applicable requirements for R&D operations. 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.

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

**Condition 133: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable State Requirement:6 NYCRR 201-1.16 (a) (3)**

**Item 133.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 133.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



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Monitoring Description:

The owner or operator of a facility conducting research and development activities as described in 6 NYCRR 201-1.16(a) shall maintain a record of each research and development activity conducted at the facility for a period of at least five years. Such records must include:

(i) The quantity of each material used on a monthly basis;

(ii) The material safety data sheet for each material used; and

(iii) 12-month rolling total emissions calculations for each air contaminant emitted to the outdoor atmosphere from research and development activities.

The facility owner or operator shall make all records kept pursuant to this condition available to the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 134: CLCPA Applicability  
Effective for entire length of Permit**

**Applicable State Requirement:6 NYCRR 201-6.5 (a)**

**Item 134.1:**

Pursuant to The New York State Climate Leadership and Community Protection Act (CLCPA) and Article 75 of the Environmental Conservation Law, emission sources shall comply with regulations to be promulgated by the Department to ensure that by 2030 statewide greenhouse gas emissions are reduced by 40% of 1990 levels, and by 2050 statewide greenhouse gas emissions are reduced by 85% of 1990 levels.

**Condition 135: Air pollution prohibited  
Effective for entire length of Permit**

**Applicable State Requirement:6 NYCRR 211.1**

**Item 135.1:**

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

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**Condition 136: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable State Requirement: 6 NYCRR 212-2.1 (a)**

**Item 136.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 136.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For an air contaminant listed in Section 212-2.2 Table 2 - High Toxicity Air Contaminant List, of this Part, the facility owner or operator shall either limit the actual emission from all process operations at the facility that are subject to Part 212 so as to not exceed the mass emission limit listed for the individual HTAC or demonstrate compliance with the air cleaning requirements for HTAC as specified in Subdivision 212-3.2(b), Table 4 - Degree of Air Cleaning Required for Non-Criteria Air Contaminants, of this Part for the environmental rating assigned to the contaminant.

The annual actual emissions of the following HTACs from the facility's process sources subject to are limited to the following unless compliance is demonstrated with the requirements of 212-2.3(b), Table 4:

Formaldehyde = 100 pounds per year

Benzene = 100 pounds per year

Vanadium = 25 pounds per year

Arsenic Compounds = 1 pounds per year

Beryllium Compounds = 1 pounds per year

Cadmium Compounds = 25 pounds per year

Chromium Compounds = 250 pounds per year

Manganese Compounds = 10 pounds per year

Mercury Compounds = 5 pounds per year

Nickel Compounds = 10 pounds per year

Polycyclic Organic Matter (POM) = 1 pounds per year

Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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