



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 8-4642-00108/00002
Mod 0 Effective Date: 10/18/2010 Expiration Date: 10/17/2015
Mod 1 Effective Date: 06/04/2013 Expiration Date: 10/17/2015
Mod 2 Effective Date: 03/25/2014 Expiration Date: 10/17/2015
Mod 3 Effective Date: 08/20/2015 Expiration Date: 10/17/2015

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

Contact: ALEXANDER T RYAN
CORNING INC
ER-DN-01
CORNING, NY 14831
(607) 974-1226

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

Contact: SCOTT M KULA
CORNING INC - CORNING DIESEL
890 ADDISON RD
PAINTED POST, NY 14870

Description:
Third modification of the Title V Facility Permit to authorize operations at the Corning Inc - Diesel Manufacturing Facility, which manufactures ceramic filters and substrates for diesel engine emission control devices.

The Diesel Manufacturing Facility is subject to Part 201-6 Title V Facility Permits due to potential emissions of PM, CO, and NO_x in excess of 100 tons per year each, and VOC in excess of 50 tons per year.

The Facility is also a Major Stationary Source as defined in 40CFR 52.21 PSD due to potential CO emissions in excess of 250 tons per year.

Operations are grouped into Emission Units (EU), which include:

- EU U-00001, rail car and truck unloading and transfer operations, batch silo



- storage and screening operations, wet and dry mixing operations, plugging, skinning, contouring, and finishing operations;
- EU U-00002, volatile organic liquid storage tanks;
 - EU U-00003, extruded ceramic drying operations;
 - EU U-00004, 4 periodic kilns and 2 tunnel kilns firing extruded ceramic ware;
 - EU U-00005, natural gas and diesel fired heaters, boilers, and emergency generators;
 - EU U-00006, 2 newer tunnel kilns and their associated wet mixing, cutting, and drying operations; and
 - EU U-00007, cutting, grinding, contouring, skinning, and finishing operations.

This modified Permit authorizes the addition of new firing cycles and changes to existing firing cycles in the periodic kilns (DP1-4) and tunnel kilns (DT1-4), to improve process efficiencies, enable new product development and establish new shorter firing cycles and associated equipment upgrades to allow for larger throughput of product. It also authorizes new small combustion sources associated with capacity improvement project infrastructure, classified in 6NYCRR Part 201-3 as exempt and trivial sources.

These significant modifications are subject to the requirements of 6 NYCRR Part 231-6 Modifications to Existing Major Facilities in Nonattainment Areas and Attainment Areas of the State within the Ozone Transport Region. They increase the previous NO_x facility emission limit of 138 tons per year to 247.7 tons per year, making the sources involved subject to LAER limits in Part 231-6.5.

In accordance with 6NYCRR Part 231-12, an air quality impact assessment was performed to evaluate the impacts of Corning's NO₂, CO, and HF emissions. The ambient air quality impact analysis followed the procedures at 40 CFR Part 51, Appendix W, using EPA's approved model AERMOD. To determine 1-hour NO₂ impacts the analysis included the use of the non-guideline beta option, ARM2. The Department approved the analysis and determined that Corning has demonstrated compliance with NAAQS. Post construction ambient air monitoring will provide additional assurance that the 1-hour NO₂ NAAQS is not exceeded.

This Permit also limits the increase in HF and PM emissions to below the thresholds in 6 NYCRR Part 231-8 PSD for Modifications to Major Facilities in Attainment Areas. The limits are based on stack testing, a minimum of 95 percent control of HF emissions when the fluorine content of the raw material exceeds 0.00002 pound per pound of raw material for all four tunnel kilns, and PM control to a maximum emission rate of 0.001 grains per dry standard cubic foot for EU U-00006 Process P08 PM emissions from ceramic mixing, cutting, and drying operations.

This Permit also limits the increase in VOC emissions to below the threshold in 6 NYCRR Part 231-6, based on stack testing, a minimum of 99 percent control of VOC emissions and a maximum of 1.3 pounds of VOC emissions per ton of ceramic ware



from EU U-00006 Tunnel Kiln 3, and a minimum of 99.9 percent control of VOC emissions and a maximum of 1.3 pounds of VOC emissions per ton of ceramic ware of from the newer EU U-00006 Tunnel Kiln 4.

Facility-wide emission limits remaining unchanged will continue to restrict:

- Facility CO emissions to less than 348 tons per year, with higher throughput offset by higher average temperatures in modified operations burning off much of the CO.
- Facility PM emissions to less than 249 tons per year, including the newer finishing process EU U-00007, which is restricted to less than 10 tons per year of PM 2.5, less than 15 tons per year of PM 10, and less than 25 tons per year of emissions of total PM;
- Facility VOC emissions to less than 161 tons per year.

This Permit also reflects 6NYCRR Part 231-6.6 Emission offset requirements, applying Emission Reduction Credits of 181.47 tons of NO_x per year to comply with the 1.15 to 1 offset ratio for a 157.8 ton per year net increase in NO_x emissions. With 300 tons per year of NO_x ERC obtained by Corning, the unused 118.53 tons per year NO_x ERC are to be retired from the New York Registry.

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

Permit Administrator: SCOTT SHEELEY
NYSDEC - REGION 8
6274 E AVON-LIMA RD
AVON, NY 14414

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

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



DEC GENERAL CONDITIONS

**** General Provisions ****

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

Condition 2: Relationship of this Permit to Other Department Orders and Determinations

Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:

Permits are transferrable with the approval of the department unless specifically prohibited by



the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 1-1: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6 NYCRR 621.13

Item 1-1.1:

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.

Condition 5: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6 NYCRR 621.13

Item 5.1:

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

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

Condition 4: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:

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

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the



existing permit;

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

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

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

Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 6.1:

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



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

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

Mod 0 Permit Effective Date: 10/18/2010	Permit Expiration Date: 10/17/2015
Mod 1 Permit Effective Date: 06/04/2013	Permit Expiration Date: 10/17/2015
Mod 2 Permit Effective Date: 03/25/2014	Permit Expiration Date: 10/17/2015
Mod 3 Permit Effective Date: 08/20/2015	Permit Expiration Date: 10/17/2015



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 1-6 6 NYCRR 201-6.4 (a) (7): Fees
- 1-8 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 1-9 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 3-1 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 3-2 6 NYCRR 201-6.4 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 1-1 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 1-2 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 1-3 6 NYCRR 201-3.2 (a): Compliance Certification
- 1-4 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 1-5 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 1-7 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 1-14 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 19 6 NYCRR 202-1.1: Required Emissions Tests
- 21 40 CFR Part 68: Accidental release provisions.
- 22 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 23 6 NYCRR Subpart 201-6: Emission Unit Definition
- 1-11 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 1-13 6 NYCRR 201-6.4 (f): Compliance Certification
- 1-15 6 NYCRR 201-6.4 (g): Compliance Certification
- 1-16 6 NYCRR 201-6.4 (g): Non Applicable requirements
- 1-17 6 NYCRR 201-7.1: Facility Permissible Emissions
- *3-3 6 NYCRR 201-7.1: Capping Monitoring Condition
- *3-4 6 NYCRR 201-7.1: Capping Monitoring Condition
- *3-5 6 NYCRR 201-7.1: Capping Monitoring Condition
- *3-6 6 NYCRR 201-7.1: Capping Monitoring Condition
- *3-7 6 NYCRR 201-7.1: Capping Monitoring Condition
- *1-19 6 NYCRR 201-7.1: Capping Monitoring Condition
- *1-21 6 NYCRR 201-7.1: Capping Monitoring Condition
- 1-22 6 NYCRR 211.1: Air pollution prohibited
- 3-8 6 NYCRR 212.4 (a): Compliance Certification
- 3-9 6 NYCRR 212.4 (c): Compliance Certification
- 2-4 6 NYCRR 212.4 (c): Compliance Certification
- 1-24 6 NYCRR 212.4 (c): Compliance Certification
- 33 6 NYCRR 212.4 (c): Compliance Certification
- 3-10 6 NYCRR 212.6 (a): Compliance Certification
- 3-11 6 NYCRR 212.6 (a): Compliance Certification
- 3-12 6 NYCRR 212.10 (f): Compliance Certification



- 2-7 6 NYCRR 225-1.2 (f): Compliance Certification
- 2-8 6 NYCRR 225-1.2 (h): Compliance Certification
- 42 6 NYCRR 227-1.3 (a): Compliance Certification
- 1-67 6 NYCRR 227-2.4 (d): Compliance Certification
- 3-13 6 NYCRR 229.3 (e) (2) (v): Compliance Certification
- 43 6 NYCRR 231-2.9: Compliance Certification
- 3-14 6 NYCRR 231-6.5: Compliance Certification
- 3-15 6 NYCRR 231-6.5: Compliance Certification
- 3-16 6 NYCRR 231-6.5: Compliance Certification
- 3-17 6 NYCRR 231-6.5: Compliance Certification
- 3-18 6 NYCRR 231-6.6: Compliance Certification
- 3-19 6 NYCRR 231-11.2 (c): Compliance Certification
- 3-20 6 NYCRR 231-11.2 (c): Compliance Certification
- 3-21 6 NYCRR 231-11.2 (c): Compliance Certification
- 3-22 6 NYCRR 231-11.2 (c): Compliance Certification
- 3-23 6 NYCRR Subpart 231-12: Compliance Certification
- 3-24 6 NYCRR Subpart 231-12: Compliance Certification
- 46 40CFR 60, NSPS Subpart A: Applicability of Subpart A General Provisions
- 47 40CFR 60.4205(b), NSPS Subpart III: Compliance Certification
- 1-27 40CFR 60.4206, NSPS Subpart III: Compliance Certification
- 50 40CFR 60.4207(b), NSPS Subpart III: Compliance Certification
- 1-28 40CFR 60.4209(a), NSPS Subpart III: Compliance Certification
- 1-29 40CFR 60.4211(a), NSPS Subpart III: Compliance Certification
- 1-30 40CFR 60.4211(c), NSPS Subpart III: Compliance Certification
- 2-9 40CFR 60.4211(f), NSPS Subpart III: Compliance Certification
- 2-10 40CFR 60.4211(f), NSPS Subpart III: Compliance Certification
- 56 40CFR 60.4214(b), NSPS Subpart III: Compliance Certification
- 1-31 40CFR 60.4218, NSPS Subpart III: Compliance Certification
- 57 40CFR 60.670(a)(1), NSPS Subpart OOO: Compliance Certification
- 3-25 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification
- 1-32 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification
- 58 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification
- 60 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification
- 61 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification
- 1-34 40CFR 60.672(e)(1), NSPS Subpart OOO: Compliance Certification
- 3-26 40CFR 60.674(c), NSPS Subpart OOO: Compliance Certification
- 62 40CFR 60.675, NSPS Subpart OOO: Test methods and procedures
- 3-27 40CFR 60.676(b)(1), NSPS Subpart OOO: Compliance Certification
- 63 40CFR 60.676(h), NSPS Subpart OOO: Subpart 60.7(a)(1) requirement waived
- 64 40CFR 60.676(i), NSPS Subpart OOO: Notification of startup
- 67 40CFR 63.6590(c), Subpart ZZZZ: Compliance Certification
- 1-37 40CFR 63.6595(a)(1), Subpart ZZZZ: Compliance Certification
- 68 40CFR 63.6595(a)(1), Subpart ZZZZ: Compliance Certification
- 1-38 40CFR 63.6603(a), Subpart ZZZZ: Compliance Certification
- 1-39 40CFR 63.6603(a), Subpart ZZZZ: Compliance Certification
- 1-40 40CFR 63.6605(a), Subpart ZZZZ: Compliance Certification
- 1-41 40CFR 63.6605(b), Subpart ZZZZ: Compliance Certification
- 1-42 40CFR 63.6625(e), Subpart ZZZZ: Compliance Certification
- 1-43 40CFR 63.6625(f), Subpart ZZZZ: Compliance Certification
- 1-44 40CFR 63.6625(h), Subpart ZZZZ: Compliance Certification
- 1-45 40CFR 63.6625(i), Subpart ZZZZ: Compliance Certification
- 1-46 40CFR 63.6625(j), Subpart ZZZZ: Compliance Certification



- 66 40CFR 63.6640, Subpart ZZZZ: Compliance Certification
- 1-47 40CFR 63.6640(a), Subpart ZZZZ: Compliance Certification
- 1-48 40CFR 63.6640(b), Subpart ZZZZ: Compliance Certification
- 1-49 40CFR 63.6640(e), Subpart ZZZZ: Compliance Certification
- 1-50 40CFR 63.6640(f), Subpart ZZZZ: Compliance Certification
- 65 40CFR 63.6655, Subpart ZZZZ: Compliance Certification
- 1-51 40CFR 63.6655(a), Subpart ZZZZ: Compliance Certification
- 1-52 40CFR 63.6655(d), Subpart ZZZZ: Compliance Certification
- 2-11 40CFR 63.6655(e), Subpart ZZZZ: Compliance Certification
- 1-54 40CFR 63.6655(f), Subpart ZZZZ: Compliance Certification
- 1-55 40CFR 63.6660, Subpart ZZZZ: Compliance Certification
- 1-56 40CFR 63.6665, Subpart ZZZZ: Compliance Certification
- 2-13 40 CFR Part 64: Compliance Certification
- 3-28 40 CFR Part 64: Compliance Certification

Emission Unit Level

- 71 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 72 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
- 74 40CFR 60.676(f), NSPS Subpart OOO: Compliance Certification

EU=U-00001,EP=E0003,Proc=P01,ES=C0003

- 75 40CFR 60.672(a), NSPS Subpart OOO: Compliance Certification

EU=U-00003

- 78 6 NYCRR 231-2.5: Compliance Certification

EU=U-00004

- 3-29 6 NYCRR 231-2.5: Compliance Certification
- 79 6 NYCRR 231-2.5: Compliance Certification
- 3-30 6 NYCRR 231-11.2 (c): Compliance Certification
- 80 40CFR 63.43(c), Subpart B: Compliance Certification
- 81 40CFR 63.43(c), Subpart B: Compliance Certification
- 82 40CFR 63.43(c), Subpart B: Compliance Certification
- 83 40CFR 63.43(c), Subpart B: Compliance Certification
- 84 40CFR 63.43(d), Subpart B: Principles of Case-By-Case MACT Determinations
- 85 40CFR 63.43(g)(2)(iv), Subpart B: Case-By-Case MACT General Provisions Applicability (No Opacity Standard or Flares)
- 86 40CFR 63.43(k), Subpart B: Case-By-Case MACT Compliance Date
- 87 40CFR 63.43(l), Subpart B: Compliance With Case-By-Case MACT Determination
- 88 40CFR 63.44, Subpart B: Requirements for constructed or reconstructed major sources subject to a subsequently promulgated MACT standard or MACT requirement

EU=U-00005

- 1-58 6 NYCRR 231-2.5: Compliance Certification

EU=U-00006

- *3-31 6 NYCRR 201-7.1: Capping Monitoring Condition
- *3-32 6 NYCRR 201-7.1: Capping Monitoring Condition
- *3-33 6 NYCRR 201-7.1: Capping Monitoring Condition
- *3-34 6 NYCRR 201-7.1: Capping Monitoring Condition



*3-35 6 NYCRR 201-7.1: Capping Monitoring Condition

EU=U-00006,Proc=P09,ES=S0620

3-36 6 NYCRR 231-11.2 (c): Compliance Certification

EU=U-00006,Proc=P09,ES=S0621

*3-37 6 NYCRR 201-7.1: Capping Monitoring Condition

EU=U-00007

*3-38 6 NYCRR 201-7.1: Capping Monitoring Condition

EU=U-00007,Proc=P11

97 6 NYCRR 212.4 (c): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

98 ECL 19-0301: Contaminant List

1-65 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities

3-39 6 NYCRR 201-1.15: Requirement to Commence Construction

1-66 6 NYCRR 211.2: Visible Emissions Limited

101 6 NYCRR 212.4 (a): Compliance Demonstration

102 6 NYCRR 212.4 (a): Compliance Demonstration

NOTE: * preceding the condition number indicates capping.



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

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

Item A: Reserved

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

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

Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (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 D: 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 E: 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 F: 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 reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4 (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 H: 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 I: 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 J: 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 facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item K: Reopening for Cause - 6 NYCRR 201-6.4 (i)

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is



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

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

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

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

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

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item L: Permit Exclusion - ECL 19-0305

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



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

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

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

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

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 10/18/2010 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:

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

Condition 1-6: Fees
Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-6.1:

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 1-8: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 06/04/2013 and 10/17/2015

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



Item 1-8.1:

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 1-9: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 06/04/2013 and 10/17/2015**

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

Item 1-9.1:

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

**Condition 3-1: Compliance Certification
Effective between the dates of 08/20/2015 and 10/17/2015**

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

Replaces Condition(s) 2-1

Item 3-1.1:

The Compliance Certification activity will be performed for the Facility.

Item 3-1.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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



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

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

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

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal



business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(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 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.

The initial report is due 1/30/2016.

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

Condition 3-2: Compliance Certification
Effective between the dates of 08/20/2015 and 10/17/2015

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

Replaces Condition(s) 2-2

Item 3-2.1:

The Compliance Certification activity will be performed for the Facility.

Item 3-2.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



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 – Stationary Source Compliance Section
USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

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
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 1/30/2011.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 10/18/2010 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 202-2.1

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



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. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 10/18/2010 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

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

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

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

Condition 9: Open Fires - Prohibitions
Effective between the dates of 10/18/2010 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

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

Item 9.2

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

(a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or



portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.

- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (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**

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 between the dates of 10/18/2010 and 10/17/2015**

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 1-1: Recycling and Salvage
Effective between the dates of 06/04/2013 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 1-1.1:

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 between the dates of 10/18/2010 and 10/17/2015

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 1-2: Exempt Sources - Proof of Eligibility
Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-2.1:

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 them available to representatives of the department upon request.

Condition 1-3: Compliance Certification
Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-3.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-3.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



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: 500.0 hours

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-4: Trivial Sources - Proof of Eligibility
Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-4.1:

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 1-5: Requirement to Provide Information
Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-5.1:

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

Condition 1-7: Right to Inspect
Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-7.1:

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 1-14: Off Permit Changes
Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-14.1:

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

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

(ii) The permit shield described in section 6 NYCRR 201-6.4 shall not apply to any change made pursuant to this paragraph.

Condition 19: Required Emissions Tests
Effective between the dates of 10/18/2010 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 19.1:

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 21: Accidental release provisions.



Effective between the dates of 10/18/2010 and 10/17/2015

Applicable Federal Requirement:40 CFR Part 68

Item 21.1:

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

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

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

Condition 22: Recycling and Emissions Reduction
Effective between the dates of 10/18/2010 and 10/17/2015

Applicable Federal Requirement:40CFR 82, Subpart F

Item 22.1:

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 23: Emission Unit Definition
Effective between the dates of 10/18/2010 and 10/17/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 23.1(From Mod 3):

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

Emission Unit: U-00001

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF A RAIL CAR
AND TRUCK UNLOADING AND TRANSFER AREA,

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



BATCH SILO STORAGE AND SCREENING AREA, DRY
BATCH MIX AREA, LIQUID BATCH UNLOADING
AREA, WET TOWER MIX AREA, PLUGGING AREA,
AND CUTTING, SKINNING, CONTOURING AND
FINISHING OPERATIONS.

Building(s): 1

Item 23.2(From Mod 3):

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

Emission Unit: U-00002

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF FOUR OIL
STORAGE TANKS.

Building(s): 1

Item 23.3(From Mod 3):

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

Emission Unit: U-00003

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF THE DRYING
OPERATIONS.

Building(s): 1

Item 23.4(From Mod 3):

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

Emission Unit: U-00004

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF PERIODIC
AND TUNNEL KILNS AND ASSOCIATED EMISSION
CONTROL DEVICES.

Building(s): 1

Item 23.5(From Mod 3):

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

Emission Unit: U-00005

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF COMBUSTION
SOURCES SUBJECT TO AN APPLICABLE
REQUIREMENT.

Building(s): 1

Item 23.6(From Mod 3):

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

Emission Unit: U-00006

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF A DRY BATCH
MIX AREA, BATCH TRANSFER AREA, WET TOWER



MIX AREA, DRYING AND CUTTING AREAS FOR GREEN CERAMIC, FINISHING OPERATIONS AS WELL AS TWO TUNNEL KILNS WITH EMISSIONS CONTROL DEVICES.

Building(s): 1

Item 23.7(From Mod 3):

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

Emission Unit: U-00007

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF FINISHING OPERATIONS.

Building(s): 1

Condition 1-11: Progress Reports Due Semiannually
Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-11.1:

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

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

(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 1-13: Compliance Certification
Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-13.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-13.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operational Flexibility Plan

The objective of this Plan is to maximize operational flexibility by building capability into the Corning Diesel Manufacturing Facility Title V Permit for the facility to make certain changes following a preestablished protocol



as allowed for in 6NYCRR Part 201-6.5(f). This plan does not address those types of changes that would invoke the 6NYCRR Part 201-6.7(d) Significant Permit Modifications.

Protocol for Changes

(1) Certain changes which meet the criteria under (i) - (iii) below may be conducted without prior approval of the Department and shall not require modification of the permit:

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

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

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

Corning anticipates being able to accommodate the following types of changes with no case specific Department approval provided that each change meets the above criteria:

- Kiln firing cycle adjustments
- An increase in the emissions rate or concentration of a contaminant. This includes physical and operational changes associated with existing Diesel Ceramic Manufacturing Facility emission sources.
- The use of production materials that may result in the emission of new air contaminants.
- The relocation of emission source equipment, control devices, and emission points within the Corning facility.

- The installation or alteration of air pollution control devices.
- The installation of new emission sources, or replacement of existing emission sources with similar sources.

Corning will review modifications and installations to ensure conformance with the following Corning Flexibility Protocol:

- a. The new emissions source or modification is adequately addressed by conditions that have already been established in the Title V permit to address underlying applicable



requirements. If a change affects a source's compliance monitoring approach, a revised monitoring approach will be documented with appropriate justification.

b. The new emissions source or modification will comply with all respective applicable requirements and the above referenced permit terms.

c. The new source or modification will comply with state air toxics review criteria that are acceptable to the Department. Corning will perform an Air Guide 1 review for each new source or modification subject to 6NYCRR Part 212. Additionally, the new source or modification will not result in contravention of applicable ambient air quality standards.

d. The new source or modification will not trigger major New Source Review program applicability under 6NYCRR Part 231 or 40 CFR 52.21.

e. Corning shall document its assessment of each new source or modification reviewed under this protocol and make records available for review by the Department upon request. The documentation shall include the following components:

- Date and description of proposed change.
 - Identification of the Title V Permit emission unit, process(es), emission sources, and emission points affected by the proposed changes.
 - Documentation of the source's compliance with all applicable requirements;
 - Documentation and justification of any revised compliance monitoring approach;
 - Completed New York State application forms to the extent that they are appropriate to communicate revised information;
 - Documentation of source's conformance with the Department's approved state air toxics review criteria.
-
- Documentation that the source does not trigger major New Source Review program applicability.
 - Any other relevant information used for the evaluation of the proposed change under the Protocol.

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

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



facility;

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

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

Notification made in accordance with this protocol shall include the documentation developed consistent with criteria specified in item (1) of the protocol.

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

(4) Corning shall provide with the semi-annual monitoring report, a summary of the changes made in accordance with this protocol during the corresponding period, a statement of the compliance status of each, and an updated emission unit matrix if applicable.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-15: Compliance Certification
Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-15.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-15.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-16: Non Applicable requirements
Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-16.1:

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.

(From Mod 1)

40 CFR Part 63, Subpart JJJJJ

Reason: The Diesel Ceramic Manufacturing Facility's periodic kilns of Emission Units U-00004 and U-00006 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 Diesel Ceramic Manufacturing Facility does not meet the definition of a Clay Ceramics Manufacturing Facility, therefore Emission Units U-00004 and U-00006 are not subject to this standard.

40 CFR Part 63, Subpart RRRRRR

Reason: The Diesel Manufacturing Facility 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

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



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 3-3.4:

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

Item 3-3.5:

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

Item 3-3.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 3-3.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility-wide (Emission Units U-00001 through U-00007) particulate matter (PM) emissions is limited to less than 249 tons per year on a rolling twelve month basis. To demonstrate compliance with the above emission limit, the facility shall maintain monthly records on facility-wide rolling twelve month PM emissions. PM emissions shall be calculated using material balance based on production records and emission factors. Emission factors and assumptions used in the calculation are subject to Department approval. Records shall be kept on site for five years and made available to the Department upon request.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 3-4: Capping Monitoring Condition
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 201-7.1



In order to demonstrate compliance with the particulate emission limit of 0.001 grain/dscf, when Emission Sources S0601 and S0606 are operational, the pressure drop across the filters (Control Device Nos. C0601, C0608, C0609, and C0610) will be monitored at least once per week and maintained between the specified pressure drop range. 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.

The design specifications for Control Device NOs. C0601, C0608, C0609, and C0610 have not been finalized. The pressure drop ranges for these control devices will be provided to NYSDEC prior to installation.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 3-5: Capping Monitoring Condition
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 3-5.1:

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

6 NYCRR Subpart 231-8

Item 3-5.2:

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

Item 3-5.3:

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

Item 3-5.4:

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



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 3-5.5:

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

Item 3-5.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 3-5.7:

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 demonstrate compliance with the particulate emission limit of 0.001 grain/dscf, when Emission Source S0606 is operational, the pressure drop across the dust collector (Control Device No. C0611) will be monitored at least once per week and maintained between 0.1 and 12 inches of water. This pressure drop range shall not apply during periods of start-up following filter replacement. If the pressure drop recorded during normal operation is outside of this range, Corning shall inspect the dust collector and initiate corrective action as necessary. Pressure drop readings and maintenance records shall be kept on site for five years and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 0.1 inches of water

Upper Permit Limit: 12 inches of water

Monitoring Frequency: WEEKLY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 3-6: Capping Monitoring Condition
Effective between the dates of 08/20/2015 and 10/17/2015



Applicable Federal Requirement:6 NYCRR 201-7.1

Item 3-6.1:

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

6 NYCRR Subpart 231-8

Item 3-6.2:

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

Item 3-6.3:

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

Item 3-6.4:

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

Item 3-6.5:

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

Item 3-6.6:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00006 Emission Point: E0602

Emission Unit: U-00006 Emission Point: E0606

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

Item 3-6.7:

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 demonstrate compliance with the particulate emission limit of 0.001 grain/dscf, when Emission Sources S0602 and S0606 are operational, the pressure drop across the dust collectors (Control Device No. C0602 and C0606) 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 for five years and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 0.2 inches of water

Upper Permit Limit: 7.5 inches of water

Monitoring Frequency: WEEKLY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 3-7: Capping Monitoring Condition
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 3-7.1:

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

6 NYCRR Subpart 231-8

Item 3-7.2:

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

Item 3-7.3:

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

Item 3-7.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



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 3-7.5:

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

Item 3-7.6:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00006	Emission Point: E0601
Emission Unit: U-00006	Emission Point: E0602
Emission Unit: U-00006	Emission Point: E0606
Emission Unit: U-00006	Emission Point: E0608
Emission Unit: U-00006	Emission Point: E0610
Emission Unit: U-00006	Emission Point: E0611

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

Item 3-7.7:

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 remain below the applicable significant project threshold for 6NYCRR Part 231-8, emissions of particulates are limited to less than 0.001 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

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 0.001 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.

The 0.001 grains/dscf PM emission limit of this condition supersedes the applicable 40CFR60.672(a) PM emission limits contained in this permit. All other applicable 40CFR60 Subpart OOO requirements remain in effect and are not affected by this condition.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.001 grains per dscf
Monitoring Frequency: SEMI-ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 1-19: Capping Monitoring Condition
Effective between the dates of 06/04/2013 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 1-19.1:

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

40 CFR 52.21

Item 1-19.2:

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



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

Item 1-19.3:

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

Item 1-19.4:

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

Item 1-19.5:

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

Item 1-19.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-19.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The CO emissions from Emission Units U-00001 to U-00005 are limited to less than 249 tons per year on a rolling twelve month basis, and the emissions from Emission Unit U-00006 are limited to less than 99 tons per year on a rolling twelve month basis.

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



Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-22: Air pollution prohibited
Effective between the dates of 06/04/2013 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 211.1

Item 1-22.1:

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

Condition 3-8: Compliance Certification
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 212.4 (a)

Item 3-8.1:

The Compliance Certification activity will be performed for the Facility.



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

Item 3-8.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Corning has demonstrated that the ambient impact of the hydrogen fluoride emissions from the facility does not exceed the Part 257-8 ambient fluoride standards, based on a dispersion model submitted to the Department in May 2015.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 3-9: Compliance Certification
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement: 6 NYCRR 212.4 (c)

Replaces Condition(s) 2-3

Item 3-9.1:

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: E0004
Emission Unit: U-00001	Emission Point: E0007
Emission Unit: U-00001	Emission Point: E0008
Emission Unit: U-00001	Emission Point: E0025
Emission Unit: U-00004	Emission Point: E0019
Emission Unit: U-00004	Emission Point: E0020
Emission Unit: U-00004	Emission Point: E0021
Emission Unit: U-00004	Emission Point: E0022
Emission Unit: U-00004	Emission Point: E023A
Emission Unit: U-00004	Emission Point: E023B
Emission Unit: U-00004	Emission Point: E023C

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Emission Unit: U-00004	Emission Point: E023D
Emission Unit: U-00004	Emission Point: E024A
Emission Unit: U-00004	Emission Point: E024D
Emission Unit: U-00006	Emission Point: E620A
Emission Unit: U-00006	Emission Point: E620B
Emission Unit: U-00006	Emission Point: E620C
Emission Unit: U-00006	Emission Point: E621A
Emission Unit: U-00006	Emission Point: E621B
Emission Unit: U-00006	Emission Point: E621C
Emission Unit: U-00007	Emission Point: E0701

Item 3-9.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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

Additionally, the permittee will investigate, in a timely manner, any instance where there is cause to believe that particulate emissions above 0.050 gr/dscf are occurring or have occurred. These instances include but are not limited to process upsets, control device malfunctions or problems, abnormal visible emissions, complaints, etc.

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



No. C0007, C0002, and C0025) 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 for five years and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 0.2 inches of water

Upper Permit Limit: 7.5 inches of water

Monitoring Frequency: WEEKLY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

Condition 1-24: Compliance Certification

Effective between the dates of 06/04/2013 and 10/17/2015

Applicable Federal Requirement: 6 NYCRR 212.4 (c)

Replaces Condition(s) 34

Item 1-24.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Unit: U-00006

Emission Unit: U-00007

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall operate and maintain all particulate control devices consistent with good engineering practice, and in accordance with the manufacturer's recommendations to ensure compliance with the part 212 particulate emission standards. Maintenance records shall be kept on site for five years and made available to the Department



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

Condition 3-11: Compliance Certification
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement: 6 NYCRR 212.6 (a)

Replaces Condition(s) 2-5

Item 3-11.1:

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: E0004
Emission Unit: U-00001	Emission Point: E0007
Emission Unit: U-00001	Emission Point: E0008
Emission Unit: U-00001	Emission Point: E0025
Emission Unit: U-00003	Emission Point: E0012
Emission Unit: U-00003	Emission Point: E0013
Emission Unit: U-00003	Emission Point: E0014
Emission Unit: U-00003	Emission Point: E0015
Emission Unit: U-00004	Emission Point: E0019
Emission Unit: U-00004	Emission Point: E0020
Emission Unit: U-00004	Emission Point: E0021
Emission Unit: U-00004	Emission Point: E0022
Emission Unit: U-00004	Emission Point: E023A
Emission Unit: U-00004	Emission Point: E023B
Emission Unit: U-00004	Emission Point: E023C
Emission Unit: U-00004	Emission Point: E023D
Emission Unit: U-00004	Emission Point: E024A
Emission Unit: U-00004	Emission Point: E024D
Emission Unit: U-00006	Emission Point: E0603



Emission Unit: U-00006	Emission Point: E0604
Emission Unit: U-00006	Emission Point: E0606
Emission Unit: U-00006	Emission Point: E0608
Emission Unit: U-00006	Emission Point: E0610
Emission Unit: U-00006	Emission Point: E0611
Emission Unit: U-00006	Emission Point: E620A
Emission Unit: U-00006	Emission Point: E620B
Emission Unit: U-00006	Emission Point: E620C
Emission Unit: U-00006	Emission Point: E621A
Emission Unit: U-00006	Emission Point: E621B
Emission Unit: U-00006	Emission Point: E621C
Emission Unit: U-00007	Emission Point: E0701

Item 3-11.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will 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.

Monitoring Frequency: SEMI-ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 3-12: Compliance Certification
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement: 6 NYCRR 212.10 (f)

Replaces Condition(s) 39

Item 3-12.1:

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

Emission Unit: U-00006	Emission Point: E0603
Emission Unit: U-00006	Emission Point: E0604

Item 3-12.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 2-7: Compliance Certification
Effective between the dates of 03/25/2014 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 225-1.2 (f)

Item 2-7.1:

The Compliance Certification activity will be performed for the Facility.

Item 2-7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of commercial, industrial, or residential emission sources that fire number two heating oil on or after July 1, 2012 are limited to the purchase of number two heating oil with 0.0015 percent sulfur by weight or less. Compliance with this limit will be based on vendor certifications.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 HEATING 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: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 2-8: Compliance Certification
Effective between the dates of 03/25/2014 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 225-1.2 (h)

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Item 2-8.1:

The Compliance Certification activity will be performed for the Facility.

Item 2-8.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion installations that fire distillate oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016. Compliance with this limit will be based on vendor certifications.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

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: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 42: Compliance Certification

Effective between the dates of 10/18/2010 and 10/17/2015

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

Item 42.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005

Emission Unit: U-00006

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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.

Monitoring Frequency: SEMI-ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 1-67: Compliance Certification
Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-67.1:

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

Emission Unit: U-00005



Emission Unit: U-00006

Item 1-67.2:

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 internal combustion engine must perform an annual tune-up of their equipment. This tune-up should be performed in accordance with the requirements of the DAR-5 guidance document. Records of each tune-up must be kept on-site for a minimum of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 3-13: Compliance Certification

Effective between the dates of 08/20/2015 and 10/17/2015

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

Replaces Condition(s) 77

Item 3-13.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00002 Emission Point: E0009

Emission Unit: U-00002 Emission Point: E0010

Emission Unit: U-00002 Emission Point: E0011

Item 3-13.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Monitoring Frequency: ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 43: Compliance Certification
Effective between the dates of 10/18/2010 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 231-2.9

Item 43.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 3-14: Compliance Certification
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 231-6.5

Item 3-14.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 3-14.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

In order to comply with the 6NYCRR Part 231-6.5 LAER



requirements, NOx emissions from the emergency generators and other small combustion sources shall be limited to the emission rates as represented by the 9 June 2015 document entitled, "Attachment E NOx LAER limits for Small Combustion Sources and Emergency Generators", which is based on either manufacturer's emission data or U.S. EPA AP-42 emission factors (where no manufacturer's information is available).

Each of the emergency generators (Emission Sources S031A, S031B, S031C, S031D, S0032, S0033, S0035, S0037, S0103, S0106, and S0630) shall be limited to 500 hours of operation on a rolling twelve month basis. Emergency generator (Emission Source S0631) shall be limited to 300 hours of operation on a rolling twelve month basis. The annual cumulative operation of each emergency generator during testing shall not exceed more than 100 hours per year. Regular engine testing shall be performed no more than once per month per engine under normal circumstances, and each test will be conducted for the duration recommended by the engine manufacturer. As an exception to the once per month engine test limitation, those smaller engines associated with fire suppression and life safety (Emission Sources S0035 and S0037), will be tested consistent with manufacturer's recommendations approximately once per week. There shall be no simultaneous testing of the emergency generators. The facility shall maintain a monthly log on the operation of the emergency generators to demonstrate compliance with the above requirements.

The facility shall maintain and operate these sources according to manufacturer's recommendations. Records demonstrating compliance with Emission Units U-00001 through U-00007 emission caps, emergency generator operation, and equipment maintenance shall be kept on site for five years and made available to the Department upon request.

Monitoring Frequency: MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 3-15: Compliance Certification
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement: 6 NYCRR 231-6.5



Item 3-15.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 3-15.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to comply with the 6NYCRR Part 231-6.5 LAER requirements, Corning shall conduct a pilot SNCR analysis on Tunnel Kiln No. 4 (Emission Source S0621) to determine if SNCR should be employed to trim NO_x emissions on POC2 of S0621. If SNCR is determined to be feasible, the LAER emission limits will be adjusted to reflect the demonstrated POC2 NO_x reduction. The pilot assessment shall include:

1. A confirmation of actual exhaust temperatures and NO_x concentrations after start-up. Corning will submit information detailing the actual exhaust temperatures and NO_x concentrations to the Department as a means of validating further assessment of SNCR. This report shall be submitted within 30 days of commencement of actual production;
2. A protocol for the pilot test that would describe the test scenario and conditions will be submitted to the Department for review and approval within 30 days of commencement of actual production;
3. Corning shall conduct the pilot SNCR test within 60 days of the Department's approval of the above referenced test protocol; and submit the test report within 30 days of the completion of the test.
4. If full scale SNCR is determined to be feasible, a revised LAER limit for S0621, and a proposed schedule for implementation of a full SNCR installation on POC2 of S0621 will be incorporated into the Title V permit.
5. If SNCR is determined to be feasible on Tunnel Kiln No. 4 POC2, Corning shall conduct a pilot SNCR analysis on Tunnel Kiln No. 3 (Emission Source S0620) to determine if SNCR should be employed to trim NO_x emissions on POC2 of S0620. The Tunnel Kiln No. 3 pilot assessment shall follow the above-mentioned four step assessment process. If SNCR is determined to be feasible on Tunnel Kiln No. 3, the Tunnel Kiln No. 3 LAER emission limits will be adjusted to reflect the demonstrated POC2 NO_x reduction.



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 3-16: Compliance Certification
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 231-6.5

Item 3-16.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 3-16.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to comply with the 6NYCRR Part 231-6.5 LAER requirements, NOx emissions from the ceramic kilns shall be limited as follows:

1. Tunnel Kilns - Maximum of 2.28 pounds NOx per hour from POC1 zones and thermal oxidizers, 4.89 pounds NOx per hour from POC2 zones and thermal oxidizers, and 1.18 pounds NOx per hour from Ware Cool zones for each tunnel kiln.

2. Periodic Kilns - Maximum of 5.61 pounds NOx per hour for each periodic kiln and 194.2 pounds NOx per million cubic feet of natural gas combusted during each periodic kiln cycle. Notwithstanding the maximum NOx limit above, any periodic kiln may emit up to 8.42 lb/hr of NOx provided the total NOx of the 4 periodic kilns combined shall not exceed 22.44 lb/hr.

Compliance with the emission limits shall be demonstrated through stack testing within 180 days after changes



associated with the Title V Ren 0 Mod 3 permit, but no later than 18 months after the permit issuance. Corning shall submit a stack test protocol to the Department for approval at least 30 days prior to the test. Within 60 days of the completion of the stack testing, Corning shall provide the Department with the test report and a detailed methodology on how to monitor and report NOx emissions from the kilns so as to make the NOx limits practically enforceable. The Department may grant an extension of the above-mentioned timeframe if a request, in writing, is received and approved by the Department.

As an alternative to the detailed NOx monitoring and reporting methodology, Corning may install a NOx continuous emission monitoring system (CEMS). If a NOx CEMS is installed: within six (6) months of commencement of actual production, and thereafter, Corning shall install, calibrate, maintain, and operate a continuous emission monitoring (CEM) system to measure stack gas NOx (as measured NO2) for each of the POC2 stacks of each tunnel kiln and the single stack of each periodic kiln. The systems shall meet EPA monitoring performance specifications (40 CFR Part 60.13 and 40 CFR Part 60, Appendix B, Performance Specifications 1, 2, and 3, and Appendix F).

NOx excess emissions shall be defined as: any 1-hour period during which the average emission of NOx, as measured by the CEM system, exceeds the corresponding mass emission limit set for NOx for each of the kilns.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 3-17: Compliance Certification
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 231-6.5

Item 3-17.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 3-17.2:

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to comply with the 6NYCRR Part 231-6.5 LAER requirements, the NOx emissions from the facility (Emission Units U-00001 through U-00007) are limited to 247.7 tons per year on a rolling twelve month basis. The limit is consistent with the projected emissions and the project emission potential that has been offset as part of this project. To demonstrate compliance with the above emission limit, the facility shall maintain monthly records on facility-wide rolling twelve month NOx emissions. NOx emissions shall be calculated using material balance based on production records and emission factors. Emission factors and assumptions used in the calculation are subject to department approval. Records shall be kept on site for five years and made available to the department upon request.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 247.7 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 3-18: Compliance Certification

Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 231-6.6

Item 3-18.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 3-18.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to comply with the emission offset requirements of 6NYCRR 231-6.6, the facility has obtained 300 TPY of NOx Emission Reduction Credits (ERCs) from Corning Inc. Asahi Video Products Company, College Township, Centre County, Pennsylvania for the Diesel Capacity Improvement Project. The NOx ERCs required for the project is 181.47

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



TPY, which is based on the Net Emission Increase of 157.8 TPY NOx and the offset ratio of 1:1.15. The remaining unused 118.53 TPY NOx ERCs will be retired from the New York registry.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 3-19: Compliance Certification
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 231-11.2 (c)

Item 3-19.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 3-19.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Corning has demonstrated compliance with the Carbon Monoxide 1-hour and 8-hour National Ambient Air Quality Standards, based on a dispersion model submitted to the Department in May 2015.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 3-20: Compliance Certification
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 231-11.2 (c)

Item 3-20.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 3-20.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall perform stack testing for periodic and tunnel kilns to determine the CO emission rates within 180 days after changes associated with the Title V Ren 0 Mod 3 permit, but no later than 18 months after the permit issuance. The facility shall submit a stack test protocol to the Department for approval at least 30 days prior to the test. Test reports shall be submitted within 60 days of the completion of the tests. The Department may grant an extension of the above-mentioned timeframe if a request, in writing, is received and approved by the Department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 3-21: Compliance Certification
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 231-11.2 (c)

Item 3-21.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 3-21.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

HF emissions from the Emission Unit U00004 Tunnel Kilns 1 and 2 (Emission Sources S0023 and S0024) and Emission Unit U00006 Tunnel Kiln 3 (Emission Source S0620) shall achieve at least 95% overall control when fluorine content of raw material exceeds 0.00002 lb F/lb ware to be consistent with the modeling inputs.

The HF control periods of firing cycles are documented in Corning Incorporated Diesel Manufacturing Facility Control Period Matrix. Corning shall operate the HF scrubbers in accordance with the HF control period for each firing cycles 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



Emission Unit: U-00002 Process: P03	Emission Source: S0009
Emission Unit: U-00002 Process: P03	Emission Source: S0010
Emission Unit: U-00002 Process: P03	Emission Source: S0011
Emission Unit: U-00003 Process: P04	Emission Source: S0012
Emission Unit: U-00003 Process: P04	Emission Source: S0013
Emission Unit: U-00003 Process: P04	Emission Source: S0014
Emission Unit: U-00003 Process: P04	Emission Source: S0015
Emission Unit: U-00004 Process: P05	Emission Source: S0019
Emission Unit: U-00004 Process: P05	Emission Source: S0020
Emission Unit: U-00004 Process: P05	Emission Source: S0021
Emission Unit: U-00004 Process: P05	Emission Source: S0022
Emission Unit: U-00004 Process: P05	Emission Source: S0023
Emission Unit: U-00004 Process: P05	Emission Source: S0024
Emission Unit: U-00005 Process: P07	
Emission Unit: U-00006 Process: P09	Emission Source: S0620
Emission Unit: U-00006 Process: P10	Emission Source: S0630

Item 3-22.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

For a modification with a project emission potential which is less than 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of this Part, but equals or exceeds 50 percent of the applicable significant project threshold when emissions excluded in accordance with clause 231-4.1(b)(41)(i)(c) of this Part are added and is less than the applicable significant project threshold, or for a modification with a project emission potential which equals or exceeds 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of this Part and is less than the applicable significant project threshold, the facility owner or operator must submit an application to modify the facility permit under the minor permit provisions of Subpart 201-6 of this Title or obtain a preconstruction permit under the provisions of Subpart 201-6 of this Title, and must:

(1) maintain the following information for a minimum of five years:

- (i) a description of the modification.
- (ii) an identification of each new or modified emission source(s) including the associated processes and emission unit.
- (iii) the calculation of the project emission potential for each modified emission source(s) including supporting documentation.
- (iv) the date the modification commenced operation.

(2) monitor the emissions of each regulated NSR contaminant from the emission source(s) that will increase as a result of the modification, and calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five years following resumption of regular operations after the modification, or for a period of 10 years following resumption of regular operations after the change if the modification increases the design capacity of or potential to emit the regulated NSR contaminant at such emission source(s); and

(3) submit a report to the department within 30 days after the end of each year during which records must be generated in accordance with Paragraph 231-11.2(c)(2) of this Part. The report must contain:

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



(i) the name, address, and telephone number of the major facility.

(ii) the annual emissions as calculated pursuant to Paragraph (c)(2) of this Section.

(iii) a comparison of actual annual emissions to the projected actual emissions and, if applicable, an explanation as to why the actual annual emissions exceeded the projected actual emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 3-23: Compliance Certification
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement:6 NYCRR Subpart 231-12

Item 3-23.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 010102-44-0 NITROGEN DIOXIDE

Item 3-23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: AMBIENT AIR MONITORING

Monitoring Description:

Post Construction Ambient Air Monitoring

D) Post Construction Ambient Air Monitoring of the 1-hour Average NO₂ NAAQS:

Under 40 CFR Part 51.166(m)(2) and (3), Corning shall procure, install and maintain a NO₂ ambient air monitor in an area where the approved dispersion modeling for this project identified the higher concentrations of the 1-hour National Ambient Air Quality Standard (NAAQS). The precise location must be identified in a monitoring protocol and must be approved by NYSDEC prior to the installation. The NO₂ ambient monitor shall operate within six months of commencement of actual production of the facility.

Corning shall implement a NO₂ ambient air monitoring program of the 1-hour average NAAQS according to the following requirements:



1. Corning shall implement the monitoring program in accordance with a NO₂ ambient air monitoring Quality Assurance Project Plan (QAPP) and monitoring protocol which is approved by NYSDEC. No data may be accepted prior to the approval of the QAPP.

2. Corning shall submit the QAPP and monitoring protocol within three (3) months of the issuance of the permit.

3. Corning shall submit interim status reports to NYSDEC every two months to keep them informed of the progress made by Corning in implementing the monitoring program.

4. Corning shall follow the Quality Assurance/Quality Control (QA/QC) procedures as specified under 40 CFR Part 58.

5. The monitor must meet EPA siting criteria and use EPA reference monitoring instruments identified in 40 CFR Part 58. Additionally, Corning must provide the easting and northing locations and the elevation of the monitor.

6. In the event that Corning cannot locate a monitor at the specified site due to factors beyond Corning's control, Corning shall submit a proposal for an alternate site to NYSDEC for consideration. This alternate site must be approved by NYSDEC prior to installation.

7. The duration of the monitoring collection shall not exceed 3 years unless the monitor records an exceedance of the applicable NAAQS in which case NYSDEC may extend the monitoring period.

8. The data collection during the 3 year monitoring program must be done consecutively and contain sufficient data capture for determining compliance with the 1-hour average NO₂ NAAQS. This requirement would apply even if a new modeling method(s) were to be approved in the future that could be used by Corning to demonstrate the ambient acceptability of this project.

9. The monitoring data shall be recorded and submitted to NYSDEC on a quarterly basis. If an exceedance is measured, Corning shall notify NYSDEC of such an exceedance in writing within 15 days of its completion of normal QA/QC procedures for the specified month.



10. Corning shall notify NYSDEC of the date of commencement of operation of the monitoring program.

11. Data capture shall be greater than 75% on a quarterly basis

12. Data capture shall be greater than 75% on an annual basis.

II) Reporting Requirements

A. Monitoring Data

1. Monitoring data reporting to NYSDEC shall be done on a quarterly basis.
2. Quarterly reports shall be submitted to NYSDEC within 120 days of the end of the last day of each quarter.
3. An annual report shall be submitted to NYSDEC within 120 days of the end of the last quarter.
4. All reports shall be addressed to NYSDEC Region 8 Division of Air Resources.

B. In the event that the monitoring data shows a violation of either the annual or 1-hour average NO₂ NAAQS based on their respective design values, Corning shall contact NYSDEC immediately so that action may be taken to resolve the violation.

Upper Permit Limit: 100 parts per billion by volume

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 3-24: Compliance Certification
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement: 6 NYCRR Subpart 231-12

Item 3-24.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 3-24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Corning has demonstrated compliance with the Nitrogen Dioxide 1-hour and Annual National Ambient Air Quality Standards and other applicable requirements of 6NYCRR Part

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



231-12, based on a dispersion model submitted to the Department in May 2015.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 46: Applicability of Subpart A General Provisions
Effective between the dates of 10/18/2010 and 10/17/2015**

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 46.1:

This Condition applies to:

Emission Unit: U00006

Process: P10

Emission Source: S0630

Emission Unit: U00006

Process: P10

Emission Source: S0631

Item 46.2:

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 between the dates of 10/18/2010 and 10/17/2015**

Applicable Federal Requirement:40CFR 60.4205(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

Process: P10

Emission Source: S0630

Emission Unit: U-00006

Process: P10

Emission Source: S0631

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a 2007 model year or later emergency stationary compression ignition (CI) internal



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners and operators of stationary compression 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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 50: Compliance Certification
Effective between the dates of 10/18/2010 and 10/17/2015

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

Item 50.1:

The Compliance Certification activity will be performed for the Facility.

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



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: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-30: Compliance Certification
Effective between the dates of 06/04/2013 and 10/17/2015

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

Replaces Condition(s) 54

Item 1-30.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00006

Process: P10

Emission Source: S0630

Emission Unit: U-00006

Process: P10

Emission Source: S0631

Item 1-30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in §60.4204(b) or §60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the



non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. There is no time limit on the use of emergency stationary ICE in emergency situations.

(i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

Parameter Monitored: HOURS OF OPERATION

Upper Permit Limit: 50 hours per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

Condition 2-10: Compliance Certification



Effective between the dates of 03/25/2014 and 10/17/2015

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

Replaces Condition(s) 1-59, 1-61

Item 2-10.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00006

Process: P10

Emission Source: S0630

Emission Unit: U-00006

Process: P10

Emission Source: S0631

Item 2-10.2:

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 (i) through (iii) for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by 40 CFR 60.4211(f)(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.

(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.

(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

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



the NERC Reliability Standard EOP- 002-3.

(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: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -

SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

Condition 56: Compliance Certification

Effective between the dates of 10/18/2010 and 10/17/2015

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

Item 56.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00006

Process: P10

Emission Source: S0630

Emission Unit: U-00006

Process: P10

Emission Source: S0631

Item 56.2:

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.

The initial report is due 1/30/2011.

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

Condition 1-31: Compliance Certification
Effective between the dates of 06/04/2013 and 10/17/2015

Applicable Federal Requirement:40CFR 60.4218, NSPS Subpart III

Item 1-31.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 57: Compliance Certification
Effective between the dates of 10/18/2010 and 10/17/2015

Applicable Federal Requirement:40CFR 60.670(a)(1), NSPS Subpart

OOO

Item 57.1:

The Compliance Certification activity will be performed for the Facility.

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Except as provided in paragraphs (a)(2), (b), (c), and (d) of 40 CFR 60.670, the provisions of Subpart OOO are applicable to the following affected facilities in fixed or portable nonmetallic mineral processing plants: each crusher, grinding mill, screening operation,

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 3-25: Compliance Certification

Effective between the dates of 08/20/2015 and 10/17/2015

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

Replaces Condition(s) 1-33

Item 3-25.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00006

Emission Point: E0601

Emission Unit: U-00006

Emission Point: E0602

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 3-25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Affected facilities that commence construction, modification, or reconstruction on or 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.

The above particulate matter emission limit of 0.014 gr/dscf is superseded by the 0.001 gr/dscf particulate matter emission limit under 6NYCRR Part 201-7.1.

Upper Permit Limit: 0.001 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

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 1-32: Compliance Certification

Effective between the dates of 06/04/2013 and 10/17/2015

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

Replaces Condition(s) 59

Item 1-32.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Point: E0003

Emission Unit: U-00001

Emission Point: E0005

Emission Unit: U-00001

Emission Point: E0006

Item 1-32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Opacity observations of Emission Points E0003, E0005 and E0006 will be conducted semiannually while the process is in operation. If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with 7% opacity requirement in 40CFR60 Subpart OOO are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify The Department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and corrective actions will be kept on-site in a format

acceptable to the Department and the semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these instances.

Monitoring Frequency: SEMI-ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



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

Condition 58: Compliance Certification
Effective between the dates of 10/18/2010 and 10/17/2015

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

Item 58.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Emission Point: E0005
Process: P02 Emission Source: C0005

Emission Unit: U-00001 Emission Point: E0006
Process: P02 Emission Source: C0006

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

Item 58.2:

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, when Emission Sources S0005 and S0006 are operational, the pressure drop across the dust collectors (Control Device No. C0005 and C0006) 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 for five years and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 0.2 inches of water

Upper Permit Limit: 7.5 inches of water

Monitoring Frequency: WEEKLY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Condition 60: Compliance Certification
Effective between the dates of 10/18/2010 and 10/17/2015

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: E0003
Emission Unit: U-00001	Emission Point: E0005
Emission Unit: U-00001	Emission Point: E0006
Regulated Contaminant(s): CAS No: 0NY075-00-0	PARTICULATES

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Upper Permit Limit: 0.022 grains per dscf
Reference Test Method: 40CFR60 Appendix A Methods
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 61: Compliance Certification
Effective between the dates of 10/18/2010 and 10/17/2015

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

Item 61.1:



visible emissions inspections using EPA Method 22 (40 CFR part 60, Appendix A-7). The Method 22 (40 CFR part 60, Appendix A-7) test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner or operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner or operator must record each Method 22 (40 CFR part 60, Appendix A-7) test, including the date and any corrective actions taken, in the logbook required under §60.676(b). The owner or operator of the affected facility may establish a different baghouse-specific success level for the visible emissions test (other than no visible emissions) by conducting a PM performance test according to §60.675(b) simultaneously with a Method 22 (40 CFR part 60, Appendix A-7) to determine what constitutes normal visible emissions from that affected facility's baghouse when it is in compliance with the applicable PM concentration limit in Table 2 of this subpart. The revised visible emissions success level must be incorporated into the permit for the affected facility.

Parameter Monitored: OPACITY

Upper Permit Limit: 0 percent

Reference Test Method: 40CFR60 Appendix A Methods

Monitoring Frequency: QUARTERLY

Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 62: Test methods and procedures
Effective between the dates of 10/18/2010 and 10/17/2015**

Applicable Federal Requirement:40CFR 60.675, NSPS Subpart OOO

Item 62.1:

This Condition applies to:

Emission Unit: U00001

Emission Unit: U00006

Item 62.2:

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.



reconstruction commenced is waived for affected facilities under this subpart.

Condition 64: Notification of startup
Effective between the dates of 10/18/2010 and 10/17/2015

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

Item 64.1:

This Condition applies to:

Emission Unit: U00001

Emission Unit: U00006

Item 64.2:

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 67: Compliance Certification
Effective between the dates of 10/18/2010 and 10/17/2015

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

Item 67.1:

The Compliance Certification activity will be performed for the Facility.

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An affected source that is a new or reconstructed stationary RICE located at an area source of HAP emissions must meet the requirements of 40 CFR 63 Subpart ZZZZ by meeting the requirements of 40 CFR Part 60 Subpart IIII, for compression ignition engines. No further requirements apply for such engines under this part.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



The Compliance Certification applies to:

Emission Unit: U-00005 Process: P07	Emission Point: E0032 Emission Source: S0032
Emission Unit: U-00005 Process: P07	Emission Point: E0033 Emission Source: S0033
Emission Unit: U-00005 Process: P07	Emission Point: E0035 Emission Source: S0035
Emission Unit: U-00005 Process: P07	Emission Point: E0037 Emission Source: S0037
Emission Unit: U-00005 Process: P07	Emission Point: E031A Emission Source: S031A
Emission Unit: U-00005 Process: P07	Emission Point: E031B Emission Source: S031B
Emission Unit: U-00005 Process: P07	Emission Point: E031C Emission Source: S031C
Emission Unit: U-00005 Process: P07	Emission Point: E031D Emission Source: S031D

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners and operators of existing emergency stationary CI RICE located at an area source of HAP emissions must comply with the requirements in Table 2d to this subpart no later than May 3, 2013.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 1-38: Compliance Certification

Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-38.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:



Emission Unit: U-00005 Process: P07	Emission Source: S0032
Emission Unit: U-00005 Process: P07	Emission Source: S0033
Emission Unit: U-00005 Process: P07	Emission Source: S0035
Emission Unit: U-00005 Process: P07	Emission Source: S0037
Emission Unit: U-00005 Process: P07	Emission Source: S0106
Emission Unit: U-00005 Process: P07	Emission Source: S031A
Emission Unit: U-00005 Process: P07	Emission Source: S031B
Emission Unit: U-00005 Process: P07	Emission Source: S031C
Emission Unit: U-00005 Process: P07	Emission Source: S031D

Item 1-38.2:

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 requirements in Table 2d as follows:

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first,
- b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first,
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of this subpart, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the management practice can



be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.

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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (ANNIVERSARY)

Initial Report Due: 11/16/2013 for the period 06/04/2013 through 10/17/2013

Condition 1-39: Compliance Certification
Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-39.1:

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

Emission Unit: U-00005

Process: P07

Emission Source: S0103

Item 1-39.2:

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.

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

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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-40: Compliance Certification
Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-40.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005

Process: P07

Emission Source: S0032

Emission Unit: U-00005

Process: P07

Emission Source: S0033

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Emission Unit: U-00005
Process: P07

Emission Source: S0035

Emission Unit: U-00005
Process: P07

Emission Source: S0037

Emission Unit: U-00005
Process: P07

Emission Source: S0103

Emission Unit: U-00005
Process: P07

Emission Source: S0106

Emission Unit: U-00005
Process: P07

Emission Source: S031A

Emission Unit: U-00005
Process: P07

Emission Source: S031B

Emission Unit: U-00005
Process: P07

Emission Source: S031C

Emission Unit: U-00005
Process: P07

Emission Source: S031D

Item 1-40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must be in compliance with the applicable emission limitations and operating limitations in 40 CFR 63 Subpart ZZZZ at all times.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-41: Compliance Certification

Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-41.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005
Process: P07

Emission Source: S0032

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Emission Unit: U-00005 Process: P07	Emission Source: S0033
Emission Unit: U-00005 Process: P07	Emission Source: S0035
Emission Unit: U-00005 Process: P07	Emission Source: S0037
Emission Unit: U-00005 Process: P07	Emission Source: S0103
Emission Unit: U-00005 Process: P07	Emission Source: S0106
Emission Unit: U-00005 Process: P07	Emission Source: S031A
Emission Unit: U-00005 Process: P07	Emission Source: S031B
Emission Unit: U-00005 Process: P07	Emission Source: S031C
Emission Unit: U-00005 Process: P07	Emission Source: S031D

Item 1-41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

At all times, the facility must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this subpart have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.



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

Condition 1-42: Compliance Certification
Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-42.1:

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

Emission Unit: U-00005 Process: P07	Emission Source: S0032
Emission Unit: U-00005 Process: P07	Emission Source: S0033
Emission Unit: U-00005 Process: P07	Emission Source: S0035
Emission Unit: U-00005 Process: P07	Emission Source: S0037
Emission Unit: U-00005 Process: P07	Emission Source: S0103
Emission Unit: U-00005 Process: P07	Emission Source: S0106
Emission Unit: U-00005 Process: P07	Emission Source: S031A
Emission Unit: U-00005 Process: P07	Emission Source: S031B
Emission Unit: U-00005 Process: P07	Emission Source: S031C
Emission Unit: U-00005 Process: P07	Emission Source: S031D

Item 1-42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an existing emergency or black start stationary RICE located at an area source of HAP emissions must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-43: Compliance Certification Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-43.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005 Process: P07	Emission Source: S0032
Emission Unit: U-00005 Process: P07	Emission Source: S0033
Emission Unit: U-00005 Process: P07	Emission Source: S0035
Emission Unit: U-00005 Process: P07	Emission Source: S0037
Emission Unit: U-00005 Process: P07	Emission Source: S0103
Emission Unit: U-00005 Process: P07	Emission Source: S0106
Emission Unit: U-00005 Process: P07	Emission Source: S031A
Emission Unit: U-00005 Process: P07	Emission Source: S031B

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Emission Unit: U-00005
Process: P07

Emission Source: S031C

Emission Unit: U-00005
Process: P07

Emission Source: S031D

Item 1-43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-44: Compliance Certification

Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-44.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005
Process: P07

Emission Source: S0032

Emission Unit: U-00005
Process: P07

Emission Source: S0033

Emission Unit: U-00005
Process: P07

Emission Source: S0035

Emission Unit: U-00005
Process: P07

Emission Source: S0037

Emission Unit: U-00005
Process: P07

Emission Source: S0103

Emission Unit: U-00005
Process: P07

Emission Source: S0106

Emission Unit: U-00005
Process: P07

Emission Source: S031A

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Emission Unit: U-00005
Process: P07

Emission Source: S031B

Emission Unit: U-00005
Process: P07

Emission Source: S031C

Emission Unit: U-00005
Process: P07

Emission Source: S031D

Item 1-44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility 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 this subpart apply.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-45: Compliance Certification

Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-45.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005
Process: P07

Emission Source: S0032

Emission Unit: U-00005
Process: P07

Emission Source: S0033

Emission Unit: U-00005
Process: P07

Emission Source: S0035

Emission Unit: U-00005
Process: P07

Emission Source: S0037

Emission Unit: U-00005

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Process: P07	Emission Source: S0106
Emission Unit: U-00005 Process: P07	Emission Source: S031A
Emission Unit: U-00005 Process: P07	Emission Source: S031B
Emission Unit: U-00005 Process: P07	Emission Source: S031C
Emission Unit: U-00005 Process: P07	Emission Source: S031D

Item 1-45.2:

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 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: SEMI-ANNUALLY (CALENDAR)

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Reports due 30 days after the reporting period.
The initial report is due 7/30/2013.
Subsequent reports are due every 6 calendar month(s).

Condition 1-46: Compliance Certification
Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-46.1:

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

Emission Unit: U-00005

Process: P07

Emission Source: S0103

Item 1-46.2:

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 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: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 66: Compliance Certification
Effective between the dates of 10/18/2010 and 10/17/2015

Applicable Federal Requirement:40CFR 63.6640, Subpart ZZZZ

Item 66.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005 Process: P07	Emission Point: E0032 Emission Source: S0032
Emission Unit: U-00005 Process: P07	Emission Point: E0033 Emission Source: S0033
Emission Unit: U-00005 Process: P07	Emission Point: E0035 Emission Source: S0035
Emission Unit: U-00005 Process: P07	Emission Point: E0037 Emission Source: S0037
Emission Unit: U-00005 Process: P07	Emission Point: E031A Emission Source: S031A
Emission Unit: U-00005 Process: P07	Emission Point: E031B Emission Source: S031B
Emission Unit: U-00005 Process: P07	Emission Point: E031C Emission Source: S031C
Emission Unit: U-00005 Process: P07	Emission Point: E031D Emission Source: S031D

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emergency stationary RICE may not be operated in non-emergency situations for more than 50 hours per year. There is no time limit on the use of emergency stationary RICE in emergency situations. Emergency stationary RICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer,

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



the vendor, or the insurance company associated with the engine for no more than 100 hours per year. 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 RICE beyond 100 hours per year.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 1-47: Compliance Certification
Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-47.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005 Process: P07	Emission Source: S0032
Emission Unit: U-00005 Process: P07	Emission Source: S0033
Emission Unit: U-00005 Process: P07	Emission Source: S0035
Emission Unit: U-00005 Process: P07	Emission Source: S0037
Emission Unit: U-00005 Process: P07	Emission Source: S0103
Emission Unit: U-00005 Process: P07	Emission Source: S0106
Emission Unit: U-00005 Process: P07	Emission Source: S031A
Emission Unit: U-00005 Process: P07	Emission Source: S031B
Emission Unit: U-00005 Process: P07	Emission Source: S031C

New York State Department of Environmental Conservation
Permit ID: 8-4642-00108/00002 Facility DEC ID: 8464200108



Emission Unit: U-00005
Process: P07

Emission Source: S031D

Item 1-47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A facility complying with the requirement to change oil and filter, inspect air cleaner or spark plugs, and inspect hoses and belts will demonstrate continuous compliance if each of the following is met:

- 1) operate and maintain the stationary RICE according to the manufacturer's emission related operation and maintenance instructions; and
- 2) keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-48: Compliance Certification
Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-48.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005
Process: P07

Emission Source: S0032

Emission Unit: U-00005
Process: P07

Emission Source: S0033

Emission Unit: U-00005
Process: P07

Emission Source: S0035

Emission Unit: U-00005
Process: P07

Emission Source: S0037

Emission Unit: U-00005

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Process: P07	Emission Source: S0103
Emission Unit: U-00005 Process: P07	Emission Source: S0106
Emission Unit: U-00005 Process: P07	Emission Source: S031A
Emission Unit: U-00005 Process: P07	Emission Source: S031B
Emission Unit: U-00005 Process: P07	Emission Source: S031C
Emission Unit: U-00005 Process: P07	Emission Source: S031D

Item 1-48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The 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 to this subpart that apply. These instances are deviations from the emission and operating limitations in 40 CFR 63 Subpart ZZZZ. These deviations must be reported according to the requirements in 40 CFR 63.6650. If the facility changes catalyst, it must re-establish the values of the operating parameters measured during the initial performance test. When re-establishing the values of operating parameters, the facility must also conduct a performance test to demonstrate that it is meeting the required emission limitation applicable to each stationary RICE.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-49: Compliance Certification

Effective between the dates of 06/04/2013 and 10/17/2015

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

Item 1-49.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Emission Unit: U-00005 Process: P07	Emission Source: S0032
Emission Unit: U-00005 Process: P07	Emission Source: S0033
Emission Unit: U-00005 Process: P07	Emission Source: S0035
Emission Unit: U-00005 Process: P07	Emission Source: S0037
Emission Unit: U-00005 Process: P07	Emission Source: S0103
Emission Unit: U-00005 Process: P07	Emission Source: S0106
Emission Unit: U-00005 Process: P07	Emission Source: S031A
Emission Unit: U-00005 Process: P07	Emission Source: S031B
Emission Unit: U-00005 Process: P07	Emission Source: S031C
Emission Unit: U-00005 Process: P07	Emission Source: S031D

Item 1-49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must report each instance in which it did not meet the requirements in Table 8 to this subpart (applicable requirements of 40 CFR 63 Subpart A, General Provisions) that apply.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-50: Compliance Certification

Effective between the dates of 06/04/2013 and 10/17/2015

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

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Item 1-50.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005 Process: P07	Emission Source: S0032
Emission Unit: U-00005 Process: P07	Emission Source: S0033
Emission Unit: U-00005 Process: P07	Emission Source: S0035
Emission Unit: U-00005 Process: P07	Emission Source: S0037
Emission Unit: U-00005 Process: P07	Emission Source: S0103
Emission Unit: U-00005 Process: P07	Emission Source: S0106
Emission Unit: U-00005 Process: P07	Emission Source: S031A
Emission Unit: U-00005 Process: P07	Emission Source: S031B
Emission Unit: U-00005 Process: P07	Emission Source: S031C
Emission Unit: U-00005 Process: P07	Emission Source: S031D

Item 1-50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an emergency stationary 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

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



non-emergency engines.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 65: Compliance Certification
Effective between the dates of 10/18/2010 and 10/17/2015

Applicable Federal Requirement:40CFR 63.6655, Subpart ZZZZ

Item 65.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005 Process: P07	Emission Point: E0032 Emission Source: S0032
Emission Unit: U-00005 Process: P07	Emission Point: E0033 Emission Source: S0033
Emission Unit: U-00005 Process: P07	Emission Point: E0035 Emission Source: S0035
Emission Unit: U-00005 Process: P07	Emission Point: E0037 Emission Source: S0037
Emission Unit: U-00005 Process: P07	Emission Point: E031A Emission Source: S031A
Emission Unit: U-00005 Process: P07	Emission Point: E031B Emission Source: S031B
Emission Unit: U-00005 Process: P07	Emission Point: E031C Emission Source: S031C
Emission Unit: U-00005 Process: P07	Emission Point: E031D Emission Source: S031D

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An existing stationary CI RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d must keep records of the maintenance conducted in order to demonstrate that it was operated and maintained in accordance with the requirements of Table

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



2d.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 1-51: Compliance Certification
Effective between the dates of 06/04/2013 and 10/17/2015

Applicable Federal Requirement:40CFR 63.6655(a), Subpart ZZZZ

Item 1-51.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005 Process: P07	Emission Source: S0032
Emission Unit: U-00005 Process: P07	Emission Source: S0033
Emission Unit: U-00005 Process: P07	Emission Source: S0035
Emission Unit: U-00005 Process: P07	Emission Source: S0037
Emission Unit: U-00005 Process: P07	Emission Source: S0103
Emission Unit: U-00005 Process: P07	Emission Source: S0106
Emission Unit: U-00005 Process: P07	Emission Source: S031A
Emission Unit: U-00005 Process: P07	Emission Source: S031B
Emission Unit: U-00005 Process: P07	Emission Source: S031C
Emission Unit: U-00005 Process: P07	Emission Source: S031D

Item 1-51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

The facility must keep the records described in paragraphs (1) through (5).

(1) A copy of each notification and report that the owner or operator submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that he/she submitted, according to the requirement in 40 CFR 63.10(b)(2)(xiv).

(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(3) Records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii).

(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-52: Compliance Certification
Effective between the dates of 06/04/2013 and 10/17/2015

Applicable Federal Requirement:40CFR 63.6655(d), Subpart ZZZZ

Item 1-52.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005

Process: P07

Emission Source: S0032

Emission Unit: U-00005

Process: P07

Emission Source: S0033

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Emission Unit: U-00005
Process: P07

Emission Source: S0035

Emission Unit: U-00005
Process: P07

Emission Source: S0037

Emission Unit: U-00005
Process: P07

Emission Source: S0103

Emission Unit: U-00005
Process: P07

Emission Source: S0106

Emission Unit: U-00005
Process: P07

Emission Source: S031A

Emission Unit: U-00005
Process: P07

Emission Source: S031B

Emission Unit: U-00005
Process: P07

Emission Source: S031C

Emission Unit: U-00005
Process: P07

Emission Source: S031D

Item 1-52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 2-11: Compliance Certification

Effective between the dates of 03/25/2014 and 10/17/2015

Applicable Federal Requirement:40CFR 63.6655(e), Subpart ZZZZ

Replaces Condition(s) 1-53

Item 2-11.1:

The Compliance Certification activity will be performed for the Facility.

Item 2-11.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that it operated and maintained the stationary RICE and after-treatment control device (if any) according to the maintenance plan.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

Condition 1-54: Compliance Certification
Effective between the dates of 06/04/2013 and 10/17/2015

Applicable Federal Requirement:40CFR 63.6655(f), Subpart ZZZZ

Item 1-54.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005 Process: P07	Emission Source: S0032
Emission Unit: U-00005 Process: P07	Emission Source: S0033
Emission Unit: U-00005 Process: P07	Emission Source: S0035
Emission Unit: U-00005 Process: P07	Emission Source: S0037
Emission Unit: U-00005 Process: P07	Emission Source: S0103
Emission Unit: U-00005 Process: P07	Emission Source: S0106
Emission Unit: U-00005 Process: P07	Emission Source: S031A
Emission Unit: U-00005 Process: P07	Emission Source: S031B
Emission Unit: U-00005 Process: P07	Emission Source: S031C

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Emission Unit: U-00005

Process: P07

Emission Source: S031D

Item 1-54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility 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. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-55: Compliance Certification

Effective between the dates of 06/04/2013 and 10/17/2015

Applicable Federal Requirement:40CFR 63.6660, Subpart ZZZZ

Item 1-55.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005

Process: P07

Emission Source: S0032

Emission Unit: U-00005

Process: P07

Emission Source: S0033

Emission Unit: U-00005

Process: P07

Emission Source: S0035

Emission Unit: U-00005

Process: P07

Emission Source: S0037

Emission Unit: U-00005

Process: P07

Emission Source: S0103

Emission Unit: U-00005

Process: P07

Emission Source: S0106

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Emission Unit: U-00005

Process: P07

Emission Source: S031A

Emission Unit: U-00005

Process: P07

Emission Source: S031B

Emission Unit: U-00005

Process: P07

Emission Source: S031C

Emission Unit: U-00005

Process: P07

Emission Source: S031D

Item 1-55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Records must be in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1).

As specified in 40 CFR 63.10(b)(1), the owner or operator must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-56: Compliance Certification

Effective between the dates of 06/04/2013 and 10/17/2015

Applicable Federal Requirement:40CFR 63.6665, Subpart ZZZZ

Item 1-56.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005

Process: P07

Emission Source: S0032



Emission Unit: U-00005 Process: P07	Emission Source: S0033
Emission Unit: U-00005 Process: P07	Emission Source: S0035
Emission Unit: U-00005 Process: P07	Emission Source: S0037
Emission Unit: U-00005 Process: P07	Emission Source: S0103
Emission Unit: U-00005 Process: P07	Emission Source: S0106
Emission Unit: U-00005 Process: P07	Emission Source: S031A
Emission Unit: U-00005 Process: P07	Emission Source: S031B
Emission Unit: U-00005 Process: P07	Emission Source: S031C
Emission Unit: U-00005 Process: P07	Emission Source: S031D

Item 1-56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 2-13: Compliance Certification
Effective between the dates of 03/25/2014 and 10/17/2015

Applicable Federal Requirement:40 CFR Part 64

Replaces Condition(s) 69

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Item 2-13.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 2-13.2:

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 VOC greater than 50 tons per year:

Emission Source/ Control Device

S0019/C019A

S0020/C020A

S0021/C021A

S0022/C022A

S0023/C023A, C023C, C023D

S0024/C024A, C024C

S0620/C620A, C620C

S0621/C621A, C621C

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

Indicator:

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

Indicator Range:

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

Monitoring Frequency:

1. Oxidizer temperature is measured continuously and



recorded.

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

QA/QC:

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

Excursions:

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

Condition 3-28: Compliance Certification
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement:40 CFR Part 64

Replaces Condition(s) 2-12

Item 3-28.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 3-28.2:

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

S0005/C0005
S0006/C0006
S0007/C0007
S0008/C0002

S0008/C0025
S0602/C0602
S0606/C0606
S0701/C0701

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.
2. Pressure drop across each control device.
3. Inspection and maintenance of control devices.

Indicator Range:

1. An opacity of 0% for S0602/C0602.
2. An average opacity of less than 7% (6-minute average) for S0005/C0005 and S0006/C0006.
3. An average opacity of less than 20% (6-minute average) for S0007/C0007, S0008/C0002, S0008/C0025, S0606/C0606, and S0701/C0701.
4. The pressure drop ranges for each 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 quarterly or semiannually as required by the permit while the sources are in operation.
2. Pressure drop across each control device is measured continuously, and recorded weekly.
3. Inspections are performed according to internal inspection schedules. Maintenance is performed as needed.

QA/QC:

1. Employee are trained to observe visible emissions consistent with Title V permit requirements.
2. The pressure gauges are calibrated consistent with

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



manufacturer's recommendations.
3. Qualified personnel perform inspections and maintenance.

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**** Emission Unit Level ****

**Condition 71: Emission Point Definition By Emission Unit
Effective between the dates of 10/18/2010 and 10/17/2015**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 71.1(From Mod 3):

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

Emission Unit: U-00001

Emission Point: E0002
Height (ft.): 45 Diameter (in.): 50
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E0003
Height (ft.): 50 Diameter (in.): 16
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E0004
Height (ft.): 45 Diameter (in.): 6
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E0005
Height (ft.): 38 Diameter (in.): 40
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Emission Point: E0006
Height (ft.): 38 Diameter (in.): 40
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E0007
Height (ft.): 45 Diameter (in.): 50
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E0008
Height (ft.): 45 Diameter (in.): 6
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E0025
Height (ft.): 45 Diameter (in.): 24
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Item 71.2(From Mod 3):

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

Emission Unit: U-00002

Emission Point: E0001
Height (ft.): 38 Diameter (in.): 6
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E0009
Height (ft.): 38 Diameter (in.): 6
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E0010
Height (ft.): 38 Diameter (in.): 6
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E0011
Height (ft.): 38 Diameter (in.): 6
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Item 71.3(From Mod 3):

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

Emission Unit: U-00003

Emission Point: E0012
Height (ft.): 39 Diameter (in.): 24
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E0013
Height (ft.): 39 Diameter (in.): 24
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E0014



Height (ft.): 39 Diameter (in.): 24
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E0015
Height (ft.): 39 Diameter (in.): 24
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Item 71.4(From Mod 3):

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

Emission Unit: U-00004

Emission Point: E0019
Height (ft.): 85 Diameter (in.): 72
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E0020
Height (ft.): 85 Diameter (in.): 72
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E0021
Height (ft.): 85 Diameter (in.): 72
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E0022
Height (ft.): 85 Diameter (in.): 72
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E023A
Height (ft.): 77 Diameter (in.): 47
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E023B
Height (ft.): 85 Diameter (in.): 49
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E023C
Height (ft.): 50 Diameter (in.): 30
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E023D
Height (ft.): 50 Diameter (in.): 49
NYTMN (km.): 4664.55 NYTME (km.): 321.85

Emission Point: E024A
Height (ft.): 77 Diameter (in.): 47
NYTMN (km.): 4664.55 NYTME (km.): 321.85 Building: 1

Emission Point: E024D
Height (ft.): 50 Diameter (in.): 49
NYTMN (km.): 4664.55 NYTME (km.): 321.85



Item 71.5(From Mod 3):

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

Emission Unit: U-00005

Emission Point: E0027	Height (ft.): 40	Length (in.): 24	Width (in.): 24
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0028	Height (ft.): 40	Length (in.): 24	Width (in.): 24
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0029	Height (ft.): 40	Length (in.): 24	Width (in.): 24
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0030	Height (ft.): 38	Diameter (in.): 12	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0032	Height (ft.): 33	Diameter (in.): 14	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0033	Height (ft.): 33	Diameter (in.): 14	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0035	Height (ft.): 2	Diameter (in.): 6	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0037	Height (ft.): 5	Diameter (in.): 6	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0062	Height (ft.): 39	Diameter (in.): 6	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0063	Height (ft.): 39	Diameter (in.): 6	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0064	Height (ft.): 39	Diameter (in.): 12	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0065	Height (ft.): 39	Diameter (in.): 12	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Emission Point: E0066			
Height (ft.): 39	Diameter (in.): 12		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0067			
Height (ft.): 39	Diameter (in.): 12		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0070			
Height (ft.): 40	Length (in.): 24	Width (in.): 24	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0071			
Height (ft.): 40	Length (in.): 24	Width (in.): 24	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0072			
Height (ft.): 40	Length (in.): 24	Width (in.): 24	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0073			
Height (ft.): 40	Length (in.): 24	Width (in.): 24	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0074			
Height (ft.): 40	Length (in.): 24	Width (in.): 24	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0075			
Height (ft.): 40	Length (in.): 24	Width (in.): 24	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0076			
Height (ft.): 34	Length (in.): 24	Width (in.): 24	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0077			
Height (ft.): 34	Length (in.): 24	Width (in.): 24	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0078			
Height (ft.): 31	Diameter (in.): 12		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0079			
Height (ft.): 31	Diameter (in.): 12		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0080			
Height (ft.): 37	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	



Emission Point: E0081			
Height (ft.): 37	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0082			
Height (ft.): 37	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0083			
Height (ft.): 37	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0084			
Height (ft.): 40	Length (in.): 24	Width (in.): 24	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0085			
Height (ft.): 47	Length (in.): 24	Width (in.): 24	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0086			
Height (ft.): 47	Length (in.): 24	Width (in.): 24	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0087			
Height (ft.): 47	Length (in.): 24	Width (in.): 24	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0088			
Height (ft.): 47	Length (in.): 24	Width (in.): 24	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0089			
Height (ft.): 47	Length (in.): 24	Width (in.): 24	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0090			
Height (ft.): 47	Length (in.): 24	Width (in.): 24	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0091			
Height (ft.): 47	Length (in.): 24	Width (in.): 24	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0092			
Height (ft.): 47	Length (in.): 24	Width (in.): 24	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0093			
Height (ft.): 47	Length (in.): 24	Width (in.): 24	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	



Emission Point: E0094			
Height (ft.): 31	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0095			
Height (ft.): 42	Diameter (in.): 8		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0096			
Height (ft.): 42	Diameter (in.): 8		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0097			
Height (ft.): 40	Length (in.): 24	Width (in.): 24	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0098			
Height (ft.): 39	Diameter (in.): 3		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0099			
Height (ft.): 45	Diameter (in.): 10		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0101			
Height (ft.): 37	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0103			
Height (ft.): 7	Diameter (in.): 4		
NYTMN (km.): 4664.55	NYTME (km.): 321.85		
Emission Point: E0104			
Height (ft.): 11	Diameter (in.): 8		
NYTMN (km.): 4664.55	NYTME (km.): 321.85		
Emission Point: E0105			
Height (ft.): 11	Diameter (in.): 8		
NYTMN (km.): 4664.55	NYTME (km.): 321.85		
Emission Point: E0106			
Height (ft.): 7	Diameter (in.): 5		
NYTMN (km.): 4664.55	NYTME (km.): 321.85		
Emission Point: E031A			
Height (ft.): 12	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E031B			
Height (ft.): 12	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	



Emission Point: E031C	Height (ft.): 33	Diameter (in.): 14	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E031D	Height (ft.): 33	Diameter (in.): 14	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E3801	Height (ft.): 31	Diameter (in.): 6	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E3802	Height (ft.): 31	Diameter (in.): 6	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E3803	Height (ft.): 31	Diameter (in.): 6	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E3804	Height (ft.): 31	Diameter (in.): 6	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E3805	Height (ft.): 31	Diameter (in.): 6	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E3806	Height (ft.): 31	Diameter (in.): 6	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E3807	Height (ft.): 31	Diameter (in.): 6	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E3808	Height (ft.): 31	Diameter (in.): 6	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E3809	Height (ft.): 31	Diameter (in.): 6	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E3810	Height (ft.): 31	Diameter (in.): 6	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E3811	Height (ft.): 31	Diameter (in.): 6	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Emission Point: E3812			
Height (ft.): 31	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E3813			
Height (ft.): 31	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E3814			
Height (ft.): 31	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E3815			
Height (ft.): 31	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E3816			
Height (ft.): 31	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E3817			
Height (ft.): 31	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E3818			
Height (ft.): 31	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E3819			
Height (ft.): 31	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E3820			
Height (ft.): 31	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E3821			
Height (ft.): 31	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E3822			
Height (ft.): 31	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E3823			
Height (ft.): 31	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E3824			
Height (ft.): 31	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Emission Point: E3825			
Height (ft.): 31	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E3826			
Height (ft.): 31	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E3827			
Height (ft.): 31	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E3828			
Height (ft.): 31	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E3829			
Height (ft.): 31	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E3830			
Height (ft.): 31	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E3831			
Height (ft.): 28	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E3832			
Height (ft.): 31	Diameter (in.): 6		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	

Item 71.6(From Mod 3):

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

Emission Unit: U-00006			
Emission Point: E0601			
Height (ft.): 53	Diameter (in.): 16		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0602			
Height (ft.): 38	Diameter (in.): 50		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0603			
Height (ft.): 39	Diameter (in.): 24		
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1	
Emission Point: E0604			
Height (ft.): 39	Diameter (in.): 24		

New York State Department of Environmental Conservation
Permit ID: 8-4642-00108/00002 **Facility DEC ID: 8464200108**



NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0606		
Height (ft.): 45	Diameter (in.): 50	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0608		
Height (ft.): 28	Diameter (in.): 4	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0610		
Height (ft.): 65	Diameter (in.): 4	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0611		
Height (ft.): 38	Diameter (in.): 12	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0630		
Height (ft.): 33	Diameter (in.): 14	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0631		
Height (ft.): 33	Diameter (in.): 14	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0660		
Height (ft.): 40	Diameter (in.): 6	
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0661		
Height (ft.): 40	Length (in.): 24	Width (in.): 24
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0662		
Height (ft.): 39	Length (in.): 33	Width (in.): 50
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0663		
Height (ft.): 46	Length (in.): 50	Width (in.): 91
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0664		
Height (ft.): 46	Length (in.): 50	Width (in.): 91
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0665		
Height (ft.): 46	Length (in.): 50	Width (in.): 91
NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0666		
Height (ft.): 61	Length (in.): 50	Width (in.): 91

New York State Department of Environmental Conservation
Permit ID: 8-4642-00108/00002 **Facility DEC ID: 8464200108**



	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point: E0680			
Height (ft.): 25		Diameter (in.): 3	
NYTMN (km.): 4664.55		NYTME (km.): 321.85	Building: 1
Emission Point: E0681			
Height (ft.): 16		Diameter (in.): 3	
NYTMN (km.): 4664.55		NYTME (km.): 321.85	Building: 1
Emission Point: E0682			
Height (ft.): 16		Diameter (in.): 3	
NYTMN (km.): 4664.55		NYTME (km.): 321.85	Building: 1
Emission Point: E0683			
Height (ft.): 16		Diameter (in.): 3	
NYTMN (km.): 4664.55		NYTME (km.): 321.85	Building: 1
Emission Point: E0684			
Height (ft.): 16		Diameter (in.): 3	
NYTMN (km.): 4664.55		NYTME (km.): 321.85	Building: 1
Emission Point: E0685			
Height (ft.): 16		Diameter (in.): 3	
NYTMN (km.): 4664.55		NYTME (km.): 321.85	Building: 1
Emission Point: E0686			
Height (ft.): 16		Diameter (in.): 3	
NYTMN (km.): 4664.55		NYTME (km.): 321.85	Building: 1
Emission Point: E0687			
Height (ft.): 16		Diameter (in.): 3	
NYTMN (km.): 4664.55		NYTME (km.): 321.85	Building: 1
Emission Point: E0688			
Height (ft.): 16		Diameter (in.): 3	
NYTMN (km.): 4664.55		NYTME (km.): 321.85	Building: 1
Emission Point: E0689			
Height (ft.): 16		Diameter (in.): 3	
NYTMN (km.): 4664.55		NYTME (km.): 321.85	Building: 1
Emission Point: E0690			
Height (ft.): 14		Diameter (in.): 3	
NYTMN (km.): 4664.55		NYTME (km.): 321.85	Building: 1
Emission Point: E0691			
Height (ft.): 14		Diameter (in.): 3	
NYTMN (km.): 4664.55		NYTME (km.): 321.85	Building: 1
Emission Point: E0692			
Height (ft.): 14		Diameter (in.): 3	



New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108

	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point:	E620C		
	Height (ft.): 50	Diameter (in.): 52	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point:	E621A		
	Height (ft.): 77	Diameter (in.): 38	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point:	E621B		
	Height (ft.): 85	Diameter (in.): 76	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1
Emission Point:	E621C		
	Height (ft.): 59	Diameter (in.): 68	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1

Item 71.7(From Mod 3):

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

Emission Unit:	U-00007		
Emission Point:	E0701		
	Height (ft.): 45	Diameter (in.): 50	
	NYTMN (km.): 4664.55	NYTME (km.): 321.85	Building: 1

Condition 72: Process Definition By Emission Unit
Effective between the dates of 10/18/2010 and 10/17/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 72.1(From Mod 3):

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

Emission Unit:	U-00001	
Process:	P01	Source Classification Code: 3-05-008-03
Process Description:	THIS PROCESS CONSISTS OF RAW MATERIAL UNLOADING, BATCH PREPARATION, WET TOWER MIXING, AND EXEMPT SOLID MATERIAL STORAGE SILOS.	

Emission Source/Control: C0003 - Control
Control Type: FABRIC FILTER

Emission Source/Control: S0003 - Process

Item 72.2(From Mod 3):

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

Emission Unit: U-00001

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Emission Source/Control: S0010 - Process

Emission Source/Control: S0011 - Process

Item 72.4(From Mod 3):

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

Emission Unit: U-00003

Process: P04

Source Classification Code: 3-05-008-01

Process Description:

THIS PROCESS INCLUDES THE DRYING OF
EXTRUDED CERAMIC, INCLUDING EXEMPT
GAS-FIRED PREHEATERS. THE OIL MIST
ELIMINATORS WILL BE DESIGNED TO REMOVE
POTENTIAL LIQUID PARTICULATES AND MINIMIZE
OPACITY FROM THE LOG AND PLUG DRYERS.

Emission Source/Control: C0012 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: C0013 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: C0014 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: C0015 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: S0012 - Process

Emission Source/Control: S0013 - Process

Emission Source/Control: S0014 - Process

Emission Source/Control: S0015 - Process

Item 72.5(From Mod 3):

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

Emission Unit: U-00004

Process: P05

Source Classification Code: 3-05-008-12

Process Description:

THIS PROCESS INCLUDES PERIODIC AND TUNNEL
KILNS FOR FIRING CERAMIC WARE.

Emission Source/Control: C019A - Control

Control Type: THERMAL OXIDATION

Emission Source/Control: C019B - Control

Control Type: WET SCRUBBER

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Emission Source/Control: C020A - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: C020B - Control
Control Type: WET SCRUBBER

Emission Source/Control: C021A - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: C021B - Control
Control Type: WET SCRUBBER

Emission Source/Control: C022A - Control
Control Type: THERMAL OXIDATION

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

Emission Source/Control: C023A - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: C023B - Control
Control Type: PACKED GAS ABSORPTION SYSTEM, GAS
SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: C023C - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: C023D - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: C024A - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: C024B - Control
Control Type: PACKED GAS ABSORPTION SYSTEM, GAS
SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: C024C - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: S0019 - Process

Emission Source/Control: S0020 - Process

Emission Source/Control: S0021 - Process

Emission Source/Control: S0022 - Process

Emission Source/Control: S0023 - Process

Emission Source/Control: S0024 - Process



Item 72.6(From Mod 3):

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

Emission Unit: U-00005

Process: P07

Source Classification Code: 1-02-006-03

Process Description:

FACILITY NATURAL GAS AND DIESEL-FUELED
COMBUSTION SOURCES THAT ARE SUBJECT TO VOC
LAER AND INSTALLED PRIOR TO 06/03/2008.

Emission Source/Control: S0027 - Combustion

Emission Source/Control: S0028 - Combustion

Emission Source/Control: S0029 - Combustion

Emission Source/Control: S0030 - Combustion

Emission Source/Control: S0032 - Combustion

Emission Source/Control: S0033 - Combustion

Emission Source/Control: S0035 - Combustion

Emission Source/Control: S0037 - Combustion

Emission Source/Control: S0039 - Combustion

Emission Source/Control: S0040 - Combustion

Emission Source/Control: S0041 - Combustion

Emission Source/Control: S0042 - Combustion

Emission Source/Control: S0043 - Combustion

Emission Source/Control: S0044 - Combustion

Emission Source/Control: S0070 - Combustion

Emission Source/Control: S0071 - Combustion

Emission Source/Control: S0072 - Combustion

Emission Source/Control: S0073 - Combustion

Emission Source/Control: S0074 - Combustion

Emission Source/Control: S0075 - Combustion

Emission Source/Control: S0076 - Combustion



- Emission Source/Control: S0077 - Combustion
- Emission Source/Control: S0078 - Combustion
- Emission Source/Control: S0079 - Combustion
- Emission Source/Control: S0080 - Combustion
- Emission Source/Control: S0081 - Combustion
- Emission Source/Control: S0082 - Combustion
- Emission Source/Control: S0083 - Combustion
- Emission Source/Control: S0084 - Combustion
- Emission Source/Control: S0085 - Combustion
- Emission Source/Control: S0086 - Combustion
- Emission Source/Control: S0087 - Combustion
- Emission Source/Control: S0088 - Combustion
- Emission Source/Control: S0089 - Combustion
- Emission Source/Control: S0090 - Combustion
- Emission Source/Control: S0091 - Combustion
- Emission Source/Control: S0092 - Combustion
- Emission Source/Control: S0093 - Combustion
- Emission Source/Control: S0094 - Combustion
- Emission Source/Control: S0095 - Combustion
- Emission Source/Control: S0096 - Combustion
- Emission Source/Control: S0097 - Combustion
- Emission Source/Control: S0098 - Combustion
- Emission Source/Control: S0099 - Combustion
- Emission Source/Control: S0103 - Combustion
- Emission Source/Control: S0104 - Combustion
- Emission Source/Control: S0105 - Combustion



- Emission Source/Control: S0106 - Combustion
- Emission Source/Control: S031A - Combustion
- Emission Source/Control: S031B - Combustion
- Emission Source/Control: S031C - Combustion
- Emission Source/Control: S031D - Combustion
- Emission Source/Control: S3801 - Combustion
- Emission Source/Control: S3802 - Combustion
- Emission Source/Control: S3803 - Combustion
- Emission Source/Control: S3804 - Combustion
- Emission Source/Control: S3805 - Combustion
- Emission Source/Control: S3806 - Combustion
- Emission Source/Control: S3807 - Combustion
- Emission Source/Control: S3808 - Combustion
- Emission Source/Control: S3809 - Combustion
- Emission Source/Control: S3810 - Combustion
- Emission Source/Control: S3811 - Combustion
- Emission Source/Control: S3812 - Combustion
- Emission Source/Control: S3813 - Combustion
- Emission Source/Control: S3814 - Combustion
- Emission Source/Control: S3815 - Combustion
- Emission Source/Control: S3816 - Combustion
- Emission Source/Control: S3817 - Combustion
- Emission Source/Control: S3818 - Combustion
- Emission Source/Control: S3819 - Combustion
- Emission Source/Control: S3820 - Combustion
- Emission Source/Control: S3821 - Combustion



Emission Source/Control: S3822 - Combustion

Emission Source/Control: S3823 - Combustion

Emission Source/Control: S3824 - Combustion

Emission Source/Control: S3825 - Combustion

Emission Source/Control: S3826 - Combustion

Emission Source/Control: S3827 - Combustion

Emission Source/Control: S3828 - Combustion

Emission Source/Control: S3829 - Combustion

Emission Source/Control: S3830 - Combustion

Emission Source/Control: S3831 - Combustion

Emission Source/Control: S3832 - Combustion

Emission Source/Control: C104A - Control
Control Type: LOW NOx BURNER

Emission Source/Control: C104B - Control
Control Type: FLUE GAS RECIRCULATION

Emission Source/Control: C105A - Control
Control Type: LOW NOx BURNER

Emission Source/Control: C105B - Control
Control Type: FLUE GAS RECIRCULATION

Item 72.7(From Mod 3):

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

Emission Unit: U-00005

Process: P12

Source Classification Code: 1-02-006-03

Process Description:

Facility natural gas and diesel-fueled combustion sources
that are subject to an applicable requirement and are
installed after 06/03/2008.

Emission Source/Control: S0101 - Combustion

Item 72.8(From Mod 3):

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

Emission Unit: U-00006

Process: P08

Source Classification Code: 3-05-008-02

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Process Description:

BATCH PREPARATION AND WET TOWER MIXING, CUTTING OF EXTRUDED GREEN CERAMIC, DRYING OF EXTRUDED CERAMIC, INCLUDING EXEMPT GAS FIRED PREHEATERS AND FINISHING. OIL MIST ELIMINATORS ARE DESIGNED TO REMOVE POTENTIAL LIQUID PARTICULATE EMISSIONS AND MINIMIZE OPACITY FROM THE DRYERS.

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

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

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

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

Emission Source/Control: C0606 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0608 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0609 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0610 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0611 - Control
Control Type: FABRIC FILTER

Emission Source/Control: S0601 - Process

Emission Source/Control: S0602 - Process

Emission Source/Control: S0603 - Process

Emission Source/Control: S0604 - Process

Emission Source/Control: S0606 - Process

Item 72.9(From Mod 3):

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

Emission Unit: U-00006

Process: P09

Source Classification Code: 3-05-008-12

Process Description:



TUNNEL KILNS 3 AND 4 AND ASSOCIATED
EMISSION CONTROL DEVICES FOR FIRING CERAMIC
WARE.

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

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

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

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

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

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

Emission Source/Control: S0620 - Process

Emission Source/Control: S0621 - Process

Item 72.10(From Mod 3):

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

Emission Unit: U-00006

Process: P10

Source Classification Code: 1-02-006-03

Process Description:

THIS PROCESS CONSISTS OF MISCELLANEOUS
EXEMPT/TRIVIAL COMBUSTION UNITS.

Emission Source/Control: S0662 - Combustion

Emission Source/Control: S0663 - Combustion

Emission Source/Control: S0664 - Combustion

Emission Source/Control: S0665 - Combustion

Emission Source/Control: S0666 - Combustion

Emission Source/Control: S0667 - Combustion

Emission Source/Control: S0668 - Combustion

Emission Source/Control: S0669 - Combustion

Emission Source/Control: S0670 - Combustion



- Emission Source/Control: S0671 - Combustion
- Emission Source/Control: S0672 - Combustion
- Emission Source/Control: S0673 - Combustion
- Emission Source/Control: S0674 - Combustion
- Emission Source/Control: S0675 - Combustion
- Emission Source/Control: S0676 - Combustion
- Emission Source/Control: S0677 - Combustion
- Emission Source/Control: S0678 - Combustion
- Emission Source/Control: S0679 - Combustion
- Emission Source/Control: S0680 - Combustion
- Emission Source/Control: S0681 - Combustion
- Emission Source/Control: S0682 - Combustion
- Emission Source/Control: S0683 - Combustion
- Emission Source/Control: S0684 - Combustion
- Emission Source/Control: S0685 - Combustion
- Emission Source/Control: S0686 - Combustion
- Emission Source/Control: S0687 - Combustion
- Emission Source/Control: S0688 - Combustion
- Emission Source/Control: S0689 - Combustion
- Emission Source/Control: S0690 - Combustion
- Emission Source/Control: S0691 - Combustion
- Emission Source/Control: S0692 - Combustion
- Emission Source/Control: S0693 - Combustion
- Emission Source/Control: S0694 - Combustion
- Emission Source/Control: S0695 - Combustion
- Emission Source/Control: S0696 - Combustion

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Emission Source/Control: S0697 - Combustion

Emission Source/Control: S0698 - Combustion

Emission Source/Control: S0699 - Combustion

Emission Source/Control: S0700 - Combustion

Emission Source/Control: S0702 - Combustion

Emission Source/Control: S0703 - Combustion

Emission Source/Control: S0704 - Combustion

Emission Source/Control: S0630 - Process

Emission Source/Control: S0631 - Process

Emission Source/Control: S0640 - Process

Emission Source/Control: S0641 - Process

Emission Source/Control: S0642 - Process

Emission Source/Control: S0645 - Process

Emission Source/Control: S0660 - Process

Emission Source/Control: S0661 - Process

Item 72.11(From Mod 3):

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

Emission Unit: U-00007

Process: P11

Source Classification Code: 3-05-008-99

Process Description:

CUTTING, GRINDING, CONTOURING, SKINNING
AND FINISHING

Emission Source/Control: C0701 - Control

Control Type: FABRIC FILTER

Emission Source/Control: S0701 - Process

Condition 74: Compliance Certification

Effective between the dates of 10/18/2010 and 10/17/2015

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

Item 74.1:

The Compliance Certification activity will be performed for the facility:

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



The Compliance Certification applies to:

Emission Unit: U-00001

Emission Unit: U-00006

Item 74.2:

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 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 75: Compliance Certification

Effective between the dates of 10/18/2010 and 10/17/2015

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

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: E0003

Process: P01

Emission Source: C0003

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 75.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to demonstrate compliance with the 40CFR60.672(a) particulate limit of 0.022 grain/dscf, when Emission Source S0003 is operational, the pressure drop across the dust collector (Control Device No. C0003) will be monitored at least once per week and maintained between 0.1 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

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



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: 0.1 inches of water

Upper Permit Limit: 8 inches of water

Monitoring Frequency: WEEKLY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 78: Compliance Certification
Effective between the dates of 10/18/2010 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 231-2.5

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to comply with the 6NYCRR Part 231-2.5 LAER requirement, VOC emissions from the log dryers in Emission Unit U00003 shall be limited as follows:

1. VOC emissions from each dryer shall not exceed 0.0004 lbs VOC/lbs Ceramic Ware.

2. Total VOC emissions from all the dryers shall not exceed 5.6 lbs/hr.

A stack test conducted in June 2004 demonstrated the compliance with the above emission limit. The test shall be repeated once during the term of this permit. The facility shall submit a stack test protocol to the Department for approval at least 60 days prior to the test. Stack test reports shall be submitted to the Department within 60 days of the completion of the test.



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

Reference Test Method: 40 CFR 60 METHODS

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -

SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 3-29: Compliance Certification
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 231-2.5

Item 3-29.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 3-29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Within 180 days after changes associated with the Title V Ren 0 Mod 3 permit, but no later than 18 months after the permit issuance, the facility shall perform VOC stack testing for Periodic Kilns (Emission Sources S0019, S0020, S0021, S0022), Tunnel Kiln No. 1 (Emission Source S0023), and the associated thermal oxidizers to demonstrate compliance with 1.3 lb/ton or 99% overall removal efficiency (whichever is more stringent) VOC LAER limits.

The facility shall submit a stack test protocol to the Department for approval at least 30 days prior to the test. Within 60 days of the completion of the tests, the facility shall provide the Department with the information on the overall VOC removal efficiency, the operating temperature of the thermal oxidizers and the control period of each firing cycle. The Department may grant an extension of the above-mentioned timeframe if a request, in writing, is received and approved by the Department.

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Lower Permit Limit: 1.3 pounds per ton
Reference Test Method: 40CFR60 Appendix A Methods
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 79: Compliance Certification
Effective between the dates of 10/18/2010 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 231-2.5

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

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

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to comply with the 6NYCRR Part 231-2.5 LAER requirements, VOC emissions from the ceramic kilns in Emission Unit U00004 shall be limited as follows:

1. VOC emissions shall be controlled from each kiln through a combination of kiln burners and the use of a thermal oxidizer during the burnout period of each firing cycle. The burnout period refers to an early period of a firing cycle during which VOC is release from the ceramic wares. The burnout period of each firing cycle shall be determined using existing stack test data, engineering analysis, and new stack test data if necessary.
2. VOC emissions from the ceramic kilns shall not exceed 1.3 lbs VOC / ton ceramic ware, or the overall VOC removal efficiency of the combination of the kiln burners and the thermal oxidizer shall be 99% or greater, whichever is more stringent.
3. The overall VOC removal efficiency of the combination of the kiln burners and the thermal oxidizer is calculated as follows:



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

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

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

The VOC control periods of the existing firing cycles are
established in the Corning Incorporated Diesel
Manufacturing Facility Control Period Matrix. Corning
shall operate the thermal oxidizers in accordance with the
VOC control period for each firing cycles as specified in
this document. The control periods may be altered based on
new stack test information. Changes involving the addition
of new firing cycles or changes that affect the control
periods for existing firing cycles will have new or
revised control periods established in advance. The
following records shall be maintained on site for five
years and made available to the Department upon
request:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 3-30: Compliance Certification
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement: 6 NYCRR 231-11.2 (c)

Item 3-30.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



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

Item 3-30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall perform hydrogen fluoride (HF) stack testing for Tunnel Kiln No. 1 scrubber (Control Device No. C023B) while firing the 125 Hour AC product within 180 days after changes associated with the Title V Ren 0 Mod 3 permit, but no later than 18 months after the permit issuance. The facility shall submit a stack test protocol to the Department for approval at least 30 days prior to the test. Within 60 days of the completion of the tests, the facility shall provide the Department with the information on the overall HF removal efficiency and the control period of the firing cycle. The Department may grant an extension of the above-mentioned timeframe if a request, in writing, is received and approved by the Department.

Lower Permit Limit: 95 percent reduction

Reference Test Method: 40CFR60 Appendix A Methods

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 80: Compliance Certification
Effective between the dates of 10/18/2010 and 10/17/2015

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

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

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

Item 80.2:

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 40CFR63-B.43(c) requirements, the scrubber liquid flow rate of the wet HF scrubbers (Emission Sources C019B, C020B, C021B, C022B) shall be continuously monitored and maintained between 1,000 gpm and 1,500 gpm on a 1 hour average basis. The facility shall keep records of scrubber liquid flow rate on site for five years and made available to the Department upon request.

Parameter Monitored: FLOW RATE

Lower Permit Limit: 1000 gallons per minute

Upper Permit Limit: 1500 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 81: Compliance Certification

Effective between the dates of 10/18/2010 and 10/17/2015

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

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 81.2:

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 40CFR63-B.43(c) requirements, the PH of the scrubber liquid for wet HF scrubbers (Emission Sources C019B, C020B, C021B, C022B) shall be continuously monitored and maintained between 5.5 PH units and 8.5 PH units on a 1 hour average basis. The facility shall operate and maintain the scrubbers consistent with good engineering practice, and in accordance with manufacturer's recommendations. The facility shall keep records of scrubber liquid PH and equipment maintenance. Records shall be maintained on site for five years and made available to the Department upon request.

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Parameter Monitored: PH

Lower Permit Limit: 5.5 pH (STANDARD) units

Upper Permit Limit: 8.5 pH (STANDARD) units

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 82: Compliance Certification
Effective between the dates of 10/18/2010 and 10/17/2015

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

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to comply with the 40CFR63-B.43(c) MACT requirements, hydrogen fluoride (HF) emissions from the Emission Unit U00004 periodic and tunnel kilns (Emission Sources S0019, S0020, S0021, S0022, S0023, S0024) shall achieve at least 0.057 lbs HF/ton or 90% overall control, regardless of the raw material composition. The HF control periods of the existing firing cycles are established in the Corning Incorporated Diesel Manufacturing Facility Control Period Matrix. Corning shall operate the HF scrubbers in accordance with the HF control period for each firing cycles as specified in this document. The control periods may be altered based on new stack test information. Changes involving the addition of new firing cycles or changes that affect the control periods for existing firing cycles will have new or revised control periods established in advance. The following records shall be maintained on site for five years and made available to the Department upon request:

(1) Documentation of each control period determination



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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 83: Compliance Certification
Effective between the dates of 10/18/2010 and 10/17/2015

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

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 83.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Corning shall operate and maintain the dry HF scrubbers (Emission Controls C023B and C024B) consistent with good engineering practice, and in accordance with manufacturer's recommendations. An adequate amount of limestone shall be maintained in the limestone hopper, storage bin, and the scrubber at all times. Corning shall maintain limestone above the level of the cascade section of the scrubber to ensure performance that is consistent with that demonstrated during the performance test. If a low level alarm is detected in the silo, Corning shall procure additional limestone in a timeframe that assures that sufficient scrubbing media is available to maintain the level above the cascades. The limestone feeder setting shall be maintained at or above the level established during the performance test. The grade of the limestone used shall be the same as was used during the performance test. Corning shall keep records of the grade of limestone, limestone feeder setting, any low level alarms and equipment maintenance. Records shall be maintained on site for five years and made available to the Department upon request.



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

**Condition 84: Principles of Case-By-Case MACT Determinations
Effective between the dates of 10/18/2010 and 10/17/2015**

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

Item 84.1:

This Condition applies to Emission Unit: U-00004

Item 84.2:

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

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

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

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

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

**Condition 85: Case-By-Case MACT General Provisions Applicability (No
Opacity Standard or Flares)**



Effective between the dates of 10/18/2010 and 10/17/2015

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

Item 85.1:

This Condition applies to Emission Unit: U-00004

Item 85.2:

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

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

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

Section 63.3, Units and Abbreviations applies.

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

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

In Section 63.6, Compliance With Standards and Maintenance Requirements: 63.6(a) - Applicability, 63.6(b), Compliance dates for new and reconstructed sources, 63.6(c) - Compliance dates for existing sources, 63.6(e) - Operation and maintenance, 63.6(f) - Compliance with nonopacity emission standards, 63.6(g) - Use of an alternative nonopacity emission standard, 63.6(i) - Extension of compliance with emission standards, and 63.6(j) - Exemption from compliance with emission standards all apply. Paragraph 63.6(e) includes, but is not limited to, a requirement for a startup, shutdown, and malfunction plan by the compliance date. Although Paragraph (g) applies, the source is not currently using an



alternative emission standard. Paragraph (h) does not apply since no opacity or visible emission standard is included in the case by case MACT determination.

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

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

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

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



granted.

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

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

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

Condition 86: Case-By-Case MACT Compliance Date
Effective between the dates of 10/18/2010 and 10/17/2015

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

Item 86.1:

This Condition applies to Emission Unit: U-00004

Item 86.2:

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

Condition 87: Compliance With Case-By-Case MACT Determination
Effective between the dates of 10/18/2010 and 10/17/2015

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

Item 87.1:

This Condition applies to Emission Unit: U-00004

Item 87.2:

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

Item 87.3: The permittee shall be deemed to be in compliance with section 112(g)(2)(B) of the Act only to the extent that the constructed or reconstructed major source is in compliance with all requirements set forth in the final Notice of MACT Approval, the title V permit (in those instances where the owner or operator either is required or elects to obtain such a permit before construction or reconstruction), or any other final notice of approval issued pursuant to paragraph 40CFR63.43(c)(2)(ii). Any violation of such requirements by the owner or operator shall be deemed by the NYSDEC and by USEPA to be a violation of the prohibition on



construction or reconstruction in section 112(g)(2)(B) for whatever period the owner or operator is determined to be in violation of such requirements, and shall subject the owner or operator to appropriate enforcement action under the Act.

**Condition 88: Requirements for constructed or reconstructed major sources subject to a subsequently promulgated MACT standard or MACT requirement
Effective between the dates of 10/18/2010 and 10/17/2015**

Applicable Federal Requirement:40CFR 63.44, Subpart B

Item 88.1:

This Condition applies to Emission Unit: U-00004

Item 88.2:

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

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

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

Item 88.3:

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



by the emission standard issued under section 112(d) or section 112(h) or the determination issued under section 112(j) is less stringent than the level of control required by any emission limitation or standard in the prior MACT determination, the NYSDEC is not required to incorporate any less stringent terms of the promulgated standard in the title V operating permit applicable to such source(s) and may in its discretion consider any more stringent provisions of the prior MACT determination to be applicable legal requirements when issuing or revising such an operating permit.

Condition 1-58: Compliance Certification
Effective between the dates of 06/04/2013 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 231-2.5

Replaces Condition(s) 89

Item 1-58.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00005

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

Item 1-58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to comply with the 6NYCRR Part 231-2.5 LAER requirements, VOC emissions from the small combustion sources included in Emission Unit U00005 Process 07 shall be limited to 5.5 lbs VOC/MMCF for the natural gas combustion sources and 0.35 lbs VOC/MMBTU for the diesel fuel combustion sources.

Each of the emergency generators (Emission Sources S031A, S031B, S031C, S031D, S0032, S0033, S0035, S0037, S0103, S0106) shall be limited to 500 hours of operation on a rolling twelve month basis. The facility shall maintain a monthly log on the hours of operation of the emergency generators. Hours of operation during each month should be summed with the previous eleven months to calculate a rolling twelve month total. Records demonstrating compliance with facility level emission caps and emergency generator hours of operation shall be kept on site for five years and made available to the Department upon request.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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



Condition 3-31: Capping Monitoring Condition
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 3-31.1:

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

6 NYCRR Subpart 231-8

Item 3-31.2:

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

Item 3-31.3:

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 3-31.4:

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 3-31.5:

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 3-31.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 3-31.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



HF emissions from Emission Unit U00006 Tunnel Kiln 4 (Emission Source S0621) shall achieve at least 95% overall control when fluorine content of raw material exceeds 0.00002 lb F/lb ware to be consistent with the modeling inputs.

The HF control periods of firing cycles are documented in Corning Incorporated Diesel Manufacturing Facility Control Period Matrix. Corning shall operate the HF scrubbers in accordance with the HF control period for each firing cycles as specified in this document. The control periods may be altered based on new stack test information.

Changes involving the addition of new firing cycles or changes that affect the control periods for existing firing cycles will have new or revised control periods established in advance. The following records shall be maintained on site for five years and made available to the Department upon request:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 3-32: Capping Monitoring Condition
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 3-32.1:

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

6 NYCRR Subpart 231-8

Item 3-32.2:

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

Item 3-32.3:

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



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 3-32.4:

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 3-32.5:

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 3-32.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 3-32.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Within 180 days of the issuance of this permit, the facility shall perform stack testing for Emission Source/Control Device S0602/C0602 to demonstrate compliance with the particulate emission limit of 0.001 grain/dscf. The facility shall submit a stack test protocol to the Department for approval at least 30 days prior to the test. Test report shall be submitted within 60 days of the completion of the test. The Department may grant an extension of the above-mentioned timeframe if a request, in writing, is received and approved by the Department.

Upper Permit Limit: 0.001 grains per dscf

Reference Test Method: 40CFR60 Appendix A Methods

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 3-33: Capping Monitoring Condition
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 3-33.1:

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

6 NYCRR Subpart 231-8

Item 3-33.2:

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

Item 3-33.3:

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 3-33.4:

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 3-33.5:

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 3-33.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 3-33.7:

Compliance Certification shall include the following monitoring:



Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Corning shall operate and maintain the dry HF scrubbers (Emission Controls C620B and C621B) consistent with good engineering practice, and in accordance with manufacturer's recommendations. An adequate amount of limestone shall be maintained in the limestone hopper, storage bin, and the scrubber at all times. Corning shall maintain limestone above the level of the cascade section of the scrubber to ensure performance that is consistent with that demonstrated during the performance test. If a low level alarm is detected in the silo, Corning shall procure additional limestone in a timeframe that assures that sufficient scrubbing media is available to maintain the level above the cascades. The limestone feeder setting shall be maintained at or above the level established during the performance test. The grade of the limestone used shall be the same as was used during the performance test. Corning shall keep records of the grade of limestone, limestone feeder setting, any low level alarms and equipment maintenance. Records shall be maintained on site for five years and made available to the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 3-34: Capping Monitoring Condition
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 3-34.1:

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

6 NYCRR Subpart 231-8

Item 3-34.2:

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

Item 3-34.3:

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.

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



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 3-34.4:

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 3-34.5:

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 3-34.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 3-34.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall perform hydrogen fluoride (HF) stack testing for Tunnel Kilns No. 3 and No. 4 and the associated dry scrubbers within 180 days after changes associated with the Title V Ren 0 Mod 3 permit, but no later than 18 months after the permit issuance. The facility shall submit a stack test protocol to the Department for approval at least 30 days prior to the test. Within 60 days of the completion of the tests, the facility shall provide the Department with the information on the overall HF removal efficiency and the control period of each firing cycle. The Department may grant an extension of the above-mentioned timeframe if a request, in writing, is received and approved by the Department.

Lower Permit Limit: 95 percent reduction

Reference Test Method: 40CFR60 Appendix A Methods

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 3-35: Capping Monitoring Condition
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 3-35.1:

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

6 NYCRR Subpart 231-6

Item 3-35.2:

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

Item 3-35.3:

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 3-35.4:

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 3-35.5:

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 3-35.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 3-35.7:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall perform VOC stack testing for Tunnel Kiln No. 4 (Emission Source S0621) and the associated thermal oxidizers within 180 days after changes associated with the Title V Ren 0 Mod 3 permit, but no later than 18 months after the permit issuance. The facility shall submit a stack test protocol to the Department for approval at least 30 days prior to the test. Within 60 days of the completion of the tests, the facility shall provide the Department with the information on the overall VOC removal efficiency, the operating temperature of the thermal oxidizers and the control period of each firing cycle. The Department may grant an extension of the above-mentioned timeframe if a request, in writing, is received and approved by the Department.

Lower Permit Limit: 99.9 percent reduction

Reference Test Method: 40CFR60 Appendix A Methods

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 3-36: Compliance Certification
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 231-11.2 (c)

Item 3-36.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006

Process: P09

Emission Source: S0620

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 3-36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

VOC emissions from Tunnel Kiln 3 (Emission Source S0620) shall be limited as follows:

1. VOC emissions shall be controlled from the kiln through



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

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

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

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

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

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

The VOC control periods of firing cycles are documented in Corning Incorporated Diesel Manufacturing Facility Control Period Matrix. Corning shall operate the thermal oxidizers in accordance with the VOC control period for each firing cycle as specified in this document. The control periods may be altered based on new stack test information. Changes involving the addition of new firing cycles or changes that affect the control periods for existing firing cycles will have new or revised control periods established in advance. 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.

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



This condition supersedes the Part 212.10 VOC RACT control requirements for this source.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 3-37: Capping Monitoring Condition
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 3-37.1:

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

6 NYCRR Subpart 231-6

Item 3-37.2:

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

Item 3-37.3:

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 3-37.4:

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 3-37.5:

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 3-37.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00006

Process: P09

Emission Source: S0621



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

Item 3-37.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to remain below the significant project threshold of 6NYCRR Part 231-6, VOC emissions from Tunnel Kiln 4 (Emission Source S0621) shall be limited as follows:

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

2. VOC emissions from the tunnel kilns shall not exceed 1.3 lbs VOC / ton ceramic ware, or the overall VOC removal efficiency of the combination of the kiln burners and the thermal oxidizer shall be 99.9% or greater, whichever is more stringent.

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

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

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

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

The VOC control periods of firing cycles are documented in Corning Incorporated Diesel Manufacturing Facility Control Period Matrix. Corning shall operate the thermal oxidizers in accordance with the VOC control period for each firing cycles as specified in this document. The control periods may be altered based on new stack test information.

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Emission Unit: U-00007
Process: P11

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

Item 97.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to demonstrate compliance with the 6 NYCRR Part 212.4(c) particulate limit of 0.05 grain/dscf, when Emission Source S0701 is operational, the pressure drop across the 50,000 cfm dust collector #5 (Control Device No. C0701) 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 for five years 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.

The initial report is due 1/30/2011.

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



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

Item B: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined by 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 be demonstrated 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 permitted facility causing the emergency was at the time being properly operated and maintained;
- (3) During the period of the emergency the facility owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and



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

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

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

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 98: Contaminant List
Effective between the dates of 10/18/2010 and 10/17/2015

Applicable State Requirement:ECL 19-0301

Item 98.1:

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: 010102-44-0
Name: NITROGEN DIOXIDE

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

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

CAS No: 0NY075-02-5
Name: PM 2.5

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

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

New York State Department of Environmental Conservation

Permit ID: 8-4642-00108/00002

Facility DEC ID: 8464200108



Condition 1-65: Malfunctions and start-up/shutdown activities
Effective between the dates of 06/04/2013 and 10/17/2015

Applicable State Requirement:6 NYCRR 201-1.4

Item 1-65.1:

(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 malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, 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 stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and 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. 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, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the 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 3-39: Requirement to Commence Construction
Effective between the dates of 08/20/2015 and 10/17/2015

Applicable State Requirement:6 NYCRR 201-1.15

Item 3-39.1:

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 1-66: Visible Emissions Limited

Effective between the dates of 06/04/2013 and 10/17/2015

Applicable State Requirement:6 NYCRR 211.2

Replaces Condition(s) 100

Item 1-66.1:

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 101: Compliance Demonstration

Effective between the dates of 10/18/2010 and 10/17/2015

Applicable State Requirement:6 NYCRR 212.4 (a)

Item 101.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00003, Emission Unit: U-00004

Emission Unit: U-00006; Process: P08, P09

Item 101.2:

Compliance Demonstration 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 rate as determined from Table 2, Table 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the commissioner.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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



Condition 102: Compliance Demonstration

Effective between the dates of 10/18/2010 and 10/17/2015

Applicable State Requirement: 6 NYCRR 212.4 (a)

Item 102.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00004

Process: P05

Emission Unit: U-00006

Process: P09

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 102.2:

Compliance Demonstration 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 rate as determined from Table 2, Table 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the commissioner.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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