Permit ID: 6-4030-00002/00066
Renewal Number: 2
Modification Number: 2 05/09/2018

Name: CORNING INC CANTON PLANT
Address: MCADOO RD|334 CO RTE 16
CANTON, NY 13617

Owner/Firm
Name: CORNING INCORPORATED
Address: HP-ME-02-06
CORNING, NY 14831, USA
Owner Classification: Corporation/Partnership

Permit Contacts
Division of Environmental Permits:
Name: JESSICA J HART
Address: NYSDEC - REGION 6
317 WASHINGTON ST
WATERTOWN, NY 13601
Phone:

Division of Air Resources:
Name: MARK P NOWAK
Address: NYSDEC - Region 6
317 Washington ST
Watertown, NY 13601
Phone:3157852513

Air Permitting Contact:
Name: Ed Hayes
Address: 334 CO ROUTE 16
Canton, NY 13617-3113
Phone:3153793252

Permit Description
Introduction
The Title V operating air permit is intended to be a document containing only enforceable terms and conditions as well as any additional information, such as the identification of emission units, emission points, emission sources and processes, that makes the terms meaningful. 40 CFR Part 70.7(a)(5) requires that each Title V permit have an accompanying "...statement that sets forth the legal and factual basis for the draft permit conditions". The purpose for this permit review report is to satisfy the above requirement by providing pertinent details regarding the permit/application data and permit conditions in a more easily understandable format. This report will also include background narrative and explanations of regulatory decisions made by the reviewer. It should be emphasized that this permit review report, while based on information contained in the permit, is a separate document and is not itself an enforceable term and condition of the permit.

Summary Description of Proposed Project
Corning has submitted this Operational Flexibility Notification under condition 23 of their existing Title V permit. The facility is proposing the addition of glass forming furnaces and associated project equipment in addition to other small emission source changes. Changes are predominantly taking place in EU 0-00001 but also in EU 0-00005. The changes being made are as follows:
Addition of New Glass Forming Furnaces and Baghouse (emission unit U-00001, process 150, emission source S0070, control K0070) exhausted to existing emission point C1646;

Addition of Three New Natural Gas-Fired Annealers (exempt emission sources U122-U124);

Redirect Emissions from Existing Fume Reactor Unit #1 (emission unit U-00001, emission source S0056);

Modification to Mason Shop Brick Refractory Maintenance Activities and Existing Baghouse (trivial emission source I17A, control KA47);

Addition of One New 6 NYCRR 200.1(cg)(28) Exempt VOC Silicone Liquid Above Ground Storage Tank (AST) – (exempt emission source U125);

Addition of One New Non-HAP VOC AST – (exempt emission source U126);

Decommissioning and Removal of Two Existing Non-HAP VOC ASTs – (exempt emission sources U50A-U50B);

Decommissioning and Removal of Existing South Forming Diesel Fired Emergency Generator (emission unit U-00005, emission source S0035) and integrated diesel fuel storage tank (exempt emission source U053).

**Attainment Status**

CORNING INC CANTON PLANT is located in the town of DEKALB in the county of ST LAWRENCE. The attainment status for this location is provided below. (Areas classified as attainment are those that meet all ambient air quality standards for a designated criteria air pollutant.)

<table>
<thead>
<tr>
<th>Criteria Pollutant</th>
<th>Attainment Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Particulate Matter (PM)</td>
<td>ATTAINMENT</td>
</tr>
<tr>
<td>Particulate Matters &lt;10µ in diameter (PM10)</td>
<td>ATTAINMENT</td>
</tr>
<tr>
<td>Sulfur Dioxide (SO2)</td>
<td>ATTAINMENT</td>
</tr>
<tr>
<td>Ozone*</td>
<td>TRANSPORT REGION (NON-ATTAINMENT)</td>
</tr>
<tr>
<td>Oxides of Nitrogen (NOx)**</td>
<td>ATTAINMENT</td>
</tr>
<tr>
<td>Carbon Monoxide (CO)</td>
<td>ATTAINMENT</td>
</tr>
</tbody>
</table>

* Ozone is regulated in terms of the emissions of volatile organic compounds (VOC) and/or oxides of nitrogen (NOx) which are ozone precursors.
** NOx has a separate ambient air quality standard in addition to being an ozone precursor.

**Facility Description:**

Corning, Inc. - Canton Plant produces several types of high purity specialty glass. The primary SIC code for the facility is: 3229 - pressed and blown glass. The facility consists of Emission Units: U-00001, U-00002, U-00004, U-00005 and U-00006. The facility is a major emitter for Nitrogen Oxides.
Permit Structure and Description of Operations

The Title V permit for CORNING INC CANTON PLANT is structured in terms of the following hierarchy: facility, emission unit, emission point, emission source and process. A facility is defined as all emission sources located at one or more adjacent or contiguous properties owned or operated by the same person or persons under common control. The facility is subdivided into one or more emission units (EU). Emission units are defined as any part or activity of a stationary facility that emits or has the potential to emit any federal or state regulated air pollutant. An emission unit is represented as a grouping of processes (defined as any activity involving one or more emission sources (ES) that emits or has the potential to emit any federal or state regulated air pollutant). An emission source is defined as any apparatus, contrivance or machine capable of causing emissions of any air contaminant to the outdoor atmosphere, including any appurtenant exhaust system or air cleaning device. [NOTE: Indirect sources of air contamination as defined in 6 NYCRR Part 203 (i.e. parking lots) are excluded from this definition]. The applicant is required to identify the principal piece of equipment (i.e., emission source) that directly results in or controls the emission of federal or state regulated air pollutants from an activity (i.e., process). Emission sources are categorized by the following types:

- combustion - devices which burn fuel to generate heat, steam or power
- incinerator - devices which burn waste material for disposal
- control - emission control devices
- process - any device or contrivance which may emit air contaminants that is not included in the above categories.

CORNING INC CANTON PLANT is defined by the following emission unit(s):

Emission unit 000006 - This emission unit contains emergency stationary generators. Emission Unit 000006 contains exempt emergency generators subject to either 40CFR 63 Subpart ZZZZ or 40CFR 60 Subpart III.

Emission unit 000006 is associated with the following emission points (EP):
C0050, C0051, C0052, C0053, C1666, CU090, CU091

Process: 600 This process involves the operation of four diesel backup generators.

Process: 601 is located at Building MAIN PLANT - This process consists of CI Emergency RICE subject to 40 CFR 60 Subpart III.

Emission unit U00001 -

Emission unit U00001 is associated with the following emission points (EP):
C1646, C1647, C1648

Process: 100 is located at Building MAIN PLANT - This Process includes the operation of glass forming furnaces subject to PSD/NSR BACT/LAER and specific NOx, PM and PM10 emission limits.

Process: 150 This process includes the operation of glass forming furnaces not subject to NSR/PSD, Fume Reactor Furnace and Fume Reactor Generation Units.

Emission unit 000005 - THIS UNIT ADDRESSES FURNACE OPERATIONS IN
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PROCESSES 500 AND 505. THIS UNIT ALSO INCLUDES CALCIUM FLUORIDE CRYSTAL INSPECTION, OPERATIONS IN PROCESS 503 AND THE RADOME OPERATIONS IN PROCESS 506.

Emission unit 000005 is associated with the following emission points (EP):
C0059, C0060, C0061, C1650, C1651, C1653, C1654, C1655, C1656, C1657, C1664, C1668, C1669, C1670
Process: 500
Process: 503
Process: 505
Process: 506 This process includes Radome operations. Trace fugitive emissions are emitted from the dedicated Caustic Rinse Bath #2 and Acid Rinse Bath #4.

Emission unit U00004 -

Emission unit U00004 is associated with the following emission points (EP):
C1643, C1644, C1645
Process: 400 is located at Building MAIN PLANT -
Process: 401 This process involves frit application and sealing glass components.

Emission unit U00002 -

Emission unit U00002 is associated with the following emission points (EP):
C1608, C1641
Process: 200 is located at Building MAIN PLANT -

Title V/Major Source Status
CORNING INC CANTON PLANT is subject to Title V requirements. This determination is based on the following information:
Corning, Inc. - Canton Plant produces several types of high purity specialty glass. The primary SIC code for the facility is: 3229 - pressed and blown glass. The facility consists of Emission Units: U-00001, U-00002, U-00004, U-00005 and U-00006. The facility is a major emitter for Nitrogen Oxides.

The glass forming furnaces included in emission unit U-00001 Process 100 are subject to Part 231-2 and 40 CFR 52.21 and limited to 427.43 tons per year of Nitrogen Oxides. Emission units U-00005 and U-00006 are limited to 79,210 lbs/yr of nitrogen oxides and 79,500 lbs/yr of sulfur dioxide.

Program Applicability
The following chart summarizes the applicability of CORNING INC CANTON PLANT with regards to the principal air pollution regulatory programs:
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<table>
<thead>
<tr>
<th>Regulatory Program</th>
<th>Applicability</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSD</td>
<td>NO</td>
</tr>
<tr>
<td>NSR (non-attainment)</td>
<td>YES</td>
</tr>
<tr>
<td>NESHAP (40 CFR Part 61)</td>
<td>NO</td>
</tr>
<tr>
<td>NESHAP (MACT - 40 CFR Part 63)</td>
<td>YES</td>
</tr>
<tr>
<td>NSPS</td>
<td>YES</td>
</tr>
<tr>
<td>TITLE IV</td>
<td>NO</td>
</tr>
<tr>
<td>TITLE V</td>
<td>YES</td>
</tr>
<tr>
<td>TITLE VI</td>
<td>NO</td>
</tr>
<tr>
<td>RACT</td>
<td>YES</td>
</tr>
<tr>
<td>SIP</td>
<td>YES</td>
</tr>
</tbody>
</table>

NOTES:
PSD Prevention of Significant Deterioration (40 CFR 52, 6 NYCRR 231-7, 231-8) - requirements which pertain to major stationary sources located in areas which are in attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

NSR New Source Review (6 NYCRR 231-5, 231-6) - requirements which pertain to major stationary sources located in areas which are in non-attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

NESHAP National Emission Standards for Hazardous Air Pollutants (40 CFR 61, 6 NYCRR 200.10) - contaminant and source specific emission standards established prior to the Clean Air Act Amendments of 1990 (CAA) which were developed for 9 air contaminants (inorganic arsenic, radon, benzene, vinyl chloride, asbestos, mercury, beryllium, radionuclides, and volatile HAP's).

MACT Maximum Achievable Control Technology (40 CFR 63, 6 NYCRR 200.10) - contaminant and source specific emission standards established by the 1990 CAAA. Under Section 112 of the CAAA, the US EPA is required to develop and promulgate emissions standards for new and existing sources. The standards are to be based on the best demonstrated control technology and practices in the regulated industry, otherwise known as MACT. The corresponding regulations apply to specific source types and contaminants.

NSPS New Source Performance Standards (40 CFR 60, 6 NYCRR 200.10) - standards of performance for specific stationary source categories developed by the US EPA under Section 111 of the CAAA. The standards apply only to those stationary sources which have been constructed or modified after the regulations have been proposed by publication in the Federal Register and only to the specific contaminant(s) listed in the regulation.

Title IV Acid Rain Control Program (40 CFR 72 thru 78, 6 NYCRR 201-6) - regulations which mandate the implementation of the acid rain control program for large stationary combustion facilities.

Title VI Stratospheric Ozone Protection (40 CFR 82, Subpart A thru G, 6 NYCRR 200.10) - federal requirements that apply to sources which use a minimum quantity of CFC’s (chlorofluorocarbons).
HCFC’s (hydrofluorocarbons) or other ozone depleting substances or regulated substitute substances in equipment such as air conditioners, refrigeration equipment or motor vehicle air conditioners or appliances.

RACT  Reasonably Available Control Technology (6 NYCRR Parts 212-3, 226, 227-2, 228, 229, 230, 232, 233, 234, 235, 236) - the lowest emission limit that a specific source is capable of meeting by application of control technology that is reasonably available, considering technological and economic feasibility. RACT is a control strategy used to limit emissions of VOC’s and NOx for the purpose of attaining the air quality standard for ozone. The term as it is used in the above table refers to those state air pollution control regulations which specifically regulate VOC and NOx emissions.

SIP  State Implementation Plan (40 CFR 52, Subpart HH, 6 NYCRR 200.10) - as per the CAAA, all states are empowered and required to devise the specific combination of controls that, when implemented, will bring about attainment of ambient air quality standards established by the federal government and the individual state. This specific combination of measures is referred to as the SIP. The term here refers to those state regulations that are approved to be included in the SIP and thus are considered federally enforceable.

Compliance Status
Facility is in compliance with all requirements.

SIC Codes
SIC or Standard Industrial Classification code is an industrial code developed by the federal Office of Management and Budget for use, among other things, in the classification of establishments by the type of activity in which they are engaged. Each operating establishment is assigned an industry code on the basis of its primary activity, which is determined by its principal product or group of products produced or distributed, or services rendered. Larger facilities typically have more than one SIC code.

<table>
<thead>
<tr>
<th>SIC Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3229</td>
<td>PRESSED AND BLOWN GLASS, NEC</td>
</tr>
</tbody>
</table>

SCC Codes
SCC or Source Classification Code is a code developed and used by the USEPA to categorize processes which result in air emissions for the purpose of assessing emission factor information. Each SCC represents a unique process or function within a source category logically associated with a point of air pollution emissions. Any operation that causes air pollution can be represented by one or more SCC’s.

<table>
<thead>
<tr>
<th>SCC Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-02-001-02</td>
<td>INTERNAL COMBUSTION ENGINES – INDUSTRIAL</td>
</tr>
<tr>
<td></td>
<td>INDUSTRIAL INTERNAL COMBUSTION ENGINE – DISTILLATE OIL(DIESEL)</td>
</tr>
<tr>
<td></td>
<td>Reciprocating</td>
</tr>
<tr>
<td>3-03-009-34</td>
<td>PRIMARY METAL PRODUCTION</td>
</tr>
<tr>
<td></td>
<td>PRIM METAL PROD-STEEL MFG(SEE 303015 FOR INTEGRATED IRON &amp; STEEL MACT)</td>
</tr>
<tr>
<td></td>
<td>Heat Treating Furnaces: Annealing</td>
</tr>
<tr>
<td>3-05-014-01</td>
<td>MINERAL PRODUCTS</td>
</tr>
<tr>
<td></td>
<td>MINERAL PRODUCTS – GLASS MANUFACTURE</td>
</tr>
<tr>
<td></td>
<td>FURNACE/GENERAL**</td>
</tr>
<tr>
<td>3-05-014-08</td>
<td>MINERAL PRODUCTS</td>
</tr>
<tr>
<td></td>
<td>MINERAL PRODUCTS – GLASS MANUFACTURE</td>
</tr>
<tr>
<td></td>
<td>Pressed and Blown Glass: Forming/Finishing</td>
</tr>
</tbody>
</table>
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MINERAL PRODUCTS
MINERAL PRODUCTS - GLASS MANUFACTURE
Raw Material Handling (All Types of Glass)

MINERAL PRODUCTS
MINERAL PRODUCTS - GLASS MANUFACTURE
GENERAL

MINERAL PRODUCTS
MINERAL PRODUCTS - GLASS MANUFACTURE
Glass Etching w/ Hydrofluoric Acid Solution

Facility Emissions Summary

In the following table, the CAS No. or Chemical Abstract Service code is an identifier assigned to every chemical compound. [NOTE: Certain CAS No.’s contain a ‘NY’ designation within them. These are not true CAS No.’s but rather an identification which has been developed by the department to identify groups of contaminants which ordinary CAS No.’s do not do. As an example, volatile organic compounds or VOC’s are identified collectively by the NY CAS No. 0NY998-00-0.] The PTE refers to the Potential to Emit. This is defined as the maximum capacity of a facility or air contaminant source to emit any air contaminant under its physical and operational design. Any physical or operational limitation on the capacity of the facility or air contamination source to emit any air contaminant, including air pollution control equipment and/or restrictions on the hours of operation, or on the type or amount or material combusted, stored, or processed, shall be treated as part of the design only if the limitation is contained in federally enforceable permit conditions. The PTE for each contaminant that is displayed represents the facility-wide PTE in tons per year (tpy) or pounds per year (lbs/yr). In some instances the PTE represents a federally enforceable emissions cap or limitation for that contaminant. The term ‘HAP’ refers to any of the hazardous air pollutants listed in section 112(b) of the Clean Air Act Amendments of 1990. Total emissions of all hazardous air pollutants are listed under the special NY CAS No. 0NY100-00-0. In addition, each individual hazardous air pollutant is also listed under its own specific CAS No. and is identified in the list below by the (HAP) designation.

<table>
<thead>
<tr>
<th>Cas No.</th>
<th>Contaminant</th>
<th>PTE lbs/yr</th>
<th>PTE tons/yr</th>
<th>Actual lbs/yr</th>
<th>Actual tons/yr</th>
</tr>
</thead>
<tbody>
<tr>
<td>0NY210-00-0</td>
<td>OXIDES OF NITROGEN</td>
<td>927320</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0NY075-00-0</td>
<td>PARTICULATES</td>
<td>76940</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>0NY075-00-5</td>
<td>PM-10</td>
<td>76940</td>
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<tr>
<td>007446-09-5</td>
<td>SULFUR DIOXIDE</td>
<td>39.75</td>
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<td></td>
</tr>
</tbody>
</table>

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

Item A: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10(b)
The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item B: Timely Application for the Renewal of Title V Permits -6 NYCRR Part 201-6.2(a)(4)
Owners and/or operators of facilities having an issued Title V permit shall submit a
Item C: Certification by a Responsible Official - 6 NYCRR Part 201-6.2(d)(12)
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item D: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.4(a)(2)
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 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 F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4(a)(5)
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item G: Property Rights - 6 NYCRR 201-6.4(a)(6)
This permit does not convey any property rights of any sort or any exclusive privilege.

Item H: Severability - 6 NYCRR Part 201-6.4(a)(9)
If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item I: Permit Shield - 6 NYCRR Part 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 J: Reopening for Cause - 6 NYCRR Part 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 K: Permit Exclusion - ECL 19-0305
The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for
violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

Item A: 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. item_02

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

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

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

Regulatory Analysis

<table>
<thead>
<tr>
<th>Location</th>
<th>Regulation</th>
<th>Condition</th>
<th>Short Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FACILITY</td>
<td>ECL 19-0301</td>
<td>53</td>
<td>Powers and Duties of the Department with respect to air pollution control</td>
</tr>
<tr>
<td>FACILITY</td>
<td>40CFR 60-III</td>
<td>34</td>
<td>Standards of Performance for Stationary Compression Ignition Internal Combustion Engines</td>
</tr>
<tr>
<td>FACILITY</td>
<td>40CFR 63-ZZZZ</td>
<td>35</td>
<td>Reciprocating Internal Combustion Engine (RICE) NESHAP</td>
</tr>
<tr>
<td>FACILITY</td>
<td>40CFR 64</td>
<td>2 -15</td>
<td>COMPLIANCE ASSURANCE MONITORING</td>
</tr>
<tr>
<td>FACILITY</td>
<td>40CFR 68</td>
<td>19</td>
<td>Chemical accident prevention provisions</td>
</tr>
<tr>
<td>FACILITY</td>
<td>40CFR 82-F</td>
<td>20</td>
<td>Protection of Stratospheric Ozone - recycling and emissions reduction</td>
</tr>
<tr>
<td>FACILITY</td>
<td>6NYCRR 200.6</td>
<td>1</td>
<td>Acceptable ambient air quality.</td>
</tr>
<tr>
<td>FACILITY</td>
<td>6NYCRR 200.7</td>
<td>10</td>
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**Applicability Discussion:**
Mandatory Requirements: The following facility-wide regulations are included in all Title V permits:

**ECL 19-0301**
This section of the Environmental Conservation Law establishes the powers and duties assigned to the Department with regard to administering the air pollution control program for New York State.

**6 NYCRR 200.6**
Acceptable ambient air quality - prohibits contravention of ambient air quality standards without mitigating measures

**6 NYCRR 200.7**
Anyone owning or operating an air contamination source which is equipped with an emission control device must operate the control consistent with ordinary and necessary practices, standards and procedures, as per manufacturer's specifications and keep it in a satisfactory state of maintenance and repair so that it operates effectively

**6 NYCRR 201-1.4**
This regulation specifies the actions and recordkeeping and reporting requirements for any violation of an applicable state enforceable emission standard that results from a necessary scheduled equipment maintenance, start-up, shutdown, malfunction or upset in the event that these are unavoidable.
6 NYCRR 201-1.7
Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8
Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-3.2 (a)
An owner and/or operator of an exempt emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains exempt emission sources or units, 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.

6 NYCRR 201-3.3 (a)
The owner and/or operator of a trivial emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains trivial emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

6 NYCRR Subpart 201-6
This regulation applies to those terms and conditions which are subject to Title V permitting. It establishes the applicability criteria for Title V permits, the information to be included in all Title V permit applications as well as the permit content and terms of permit issuance. This rule also specifies the compliance, monitoring, recordkeeping, reporting, fee, and procedural requirements that need to be met to obtain a Title V permit, modify the permit and demonstrate conformity with applicable requirements as listed in the Title V permit. For permitting purposes, this rule specifies the need to identify and describe all emission units, processes and products in the permit application as well as providing the Department the authority to include this and any other information that it deems necessary to determine the compliance status of the facility.

6 NYCRR 201-6.4 (a) (4)
This mandatory requirement applies to all Title V facilities. It requires the permittee to provide information that the Department may request in writing, within a reasonable time, in order to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The request may include copies of records required to be kept by the permit.

6 NYCRR 201-6.4 (a) (7)
This is a mandatory condition that requires the owner or operator of a facility subject to Title V requirements to pay all applicable fees associated with the emissions from their facility.

6 NYCRR 201-6.4 (a) (8)
This is a mandatory condition for all facilities subject to Title V requirements. It allows the Department to inspect the facility to determine compliance with this permit, including copying records, sampling and monitoring, as necessary.

6 NYCRR 201-6.4 (c)
This requirement specifies, in general terms, what information must be contained in any required
compliance monitoring records and reports. This includes the date, time and place of any sampling, measurements and analyses; who performed the analyses; analytical techniques and methods used as well as any required QA/QC procedures; results of the analyses; the operating conditions at the time of sampling or measurement and the identification of any permit deviations. All such reports must also be certified by the designated responsible official of the facility.

6 NYCRR 201-6.4 (c) (2)
This requirement specifies that all compliance monitoring and recordkeeping is to be conducted according to the terms and conditions of the permit and follow all QA requirements found in applicable regulations. It also requires monitoring records and supporting information to be retained for at least 5 years from the time of sampling, measurement, report or application. Support information is defined as including all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

6 NYCRR 201-6.4 (c) (3) (ii)
This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

6 NYCRR 201-6.4 (d) (5)
This condition applies to every Title V facility subject to a compliance schedule. It requires that reports, detailing the status of progress on achieving compliance with emission standards, be submitted semiannually.

6 NYCRR 201-6.4 (e)
Sets forth the general requirements for compliance certification content; specifies an annual submittal frequency; and identifies the EPA and appropriate regional office address where the reports are to be sent.

6 NYCRR 201-6.4 (f) (6)
This condition allows changes to be made at the facility, without modifying the permit, provided the changes do not cause an emission limit contained in this permit to be exceeded. The owner or operator of the facility must notify the Department of the change. It is applicable to all Title V permits which may be subject to an off permit change.

6 NYCRR 201-6.4 (g)
Permit Exclusion Provisions - specifies those actions, such as administrative orders, suits, claims for natural resource damages, etc that are not affected by the federally enforceable portion of the permit, unless they are specifically addressed by it.

6 NYCRR 202-1.1
This regulation allows the department the discretion to require an emission test for the purpose of determining compliance. Furthermore, the cost of the test, including the preparation of the report are to be borne by the owner/operator of the source.

6 NYCRR 202-2.1
Requires that emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

6 NYCRR 202-2.5
This rule specifies that each facility required to submit an emission statement must retain a copy of the statement and supporting documentation for at least 5 years and must make the information available to
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department representatives.

6 NYCRR 211.2
This regulation limits opacity from sources to less than or equal to 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

6 NYCRR 215.2
Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

40 CFR Part 68
This Part lists the regulated substances and their applicability thresholds and sets the requirements for stationary sources concerning the prevention of accidental releases of these substances.

40 CFR Part 82, Subpart F
Subpart F requires the reduction of emissions of class I and class II refrigerants to the lowest achievable level during the service, maintenance, repair, and disposal of appliances in accordance with section 608 of the Clean Air Act Amendments of 1990. This subpart applies to any person servicing, maintaining, or repairing appliances except for motor vehicle air conditioners. It also applies to persons disposing of appliances, including motor vehicle air conditioners, refrigerant reclaimers, appliance owners, and manufacturers of appliances and recycling and recovery equipment. Those individuals, operations, or activities affected by this rule, may be required to comply with specified disposal, recycling, or recovery practices, leak repair practices, recordkeeping and/or technician certification requirements.

Facility Specific Requirements
In addition to Title V, CORNING INC CANTON PLANT has been determined to be subject to the following regulations:
40 CFR Part 60, Subpart IIII

40 CFR Part 63, Subpart ZZZZ

40 CFR Part 64
The federal Compliance Assurance Monitoring (CAM) rule, 40 CFR Part 64, requires monitoring of control device, capture system, and/or process parameters to provide a reasonable assurance of compliance with emission limitations or standards. It applies to emission units that use a control device to comply with certain standards and limitations and that have potential pre-control device emissions equal to or greater than a major source threshold.

Acid Rain program requirements; stratospheric ozone protection requirements; post-1990 New Source Performance Standards, Emission Guidelines, and National Emission Standards for Hazardous Air Pollutants; and some other limitations are exempt from CAM. However, many of the exempt requirements are subject to less stringent periodic monitoring under 40 CFR Part 70 and 6NYCRR Subpart 201-6.
6 NYCRR 201-6.4 (f)
This condition states the Corning Operational Flexibility Protocol.

6 NYCRR 211.1
This regulation requires that 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.

6 NYCRR 212.10 (a) (2)

6 NYCRR 212.10 (c) (1)
Reasonably available control technology compliance plans for major facilities. The compliance plan must identify reasonably available control technology (RACT) for each emission point which emits nitrogen oxides for major nitrogen oxide facilities or volatile organic compounds for major volatile organic compound facilities. The compliance plan must identify the emission points which do not employ reasonably available control technology (RACT), and a schedule for implementation of RACT must be included in the plan.

6 NYCRR 212.10 (e)

6 NYCRR 212.4 (a)
This rule requires compliance with the degree of control specified in Tables 2, 3 and 4 for new (after July 1, 1973) process emission sources.

6 NYCRR 212.4 (c)
This rule requires existing sources (in operation after July 1, 1973) of solid particulates with environmental rating of B or C which are not subject to Table 5 “Processes for which Permissible Emission Rate is Based on Process Weight, to be limited to an particulate emission rate not to exceed 0.05 grains per dry standard cubic foot.

6 NYCRR 212.6 (a)
This rule specifies an opacity limitation of less than 20% for any six consecutive minute period for all process emission sources.

6 NYCRR 212-3.1 (f)
6 NYCRR 225-1.2 (b)  
Sulfur-in-fuel limitations for oil or solid fuel fired facilities effective through June 30, 2014.

6 NYCRR 225-1.2 (g)  
Sulfur-in-fuel limitations for the purchase of distillate oil on or after July 1, 2014.

6 NYCRR 231-6.5  

6 NYCRR Subpart 201-7  

6 NYCRR Subpart 231-6  
This Subpart applies to modifications to existing major facilities in non-attainment areas and attainment areas of the State within the OTR.

This Subpart applies to modifications to existing major facilities in non-attainment areas and attainment areas of the State within the OTR.

Non Applicability Analysis  
List of non-applicable rules and regulations:

<table>
<thead>
<tr>
<th>Location</th>
<th>Regulation</th>
<th>Short Description</th>
</tr>
</thead>
</table>
| FACILITY | 40 CFR Part 60, Subpart Glass melting furnaces CC | FACILITY 40 CFR Part 60, Subpart Glass melting furnaces CC  
Reason: This section is not applicable since Corning does not operate glass melting furnaces. |
Reason: Corning does not use arsenic in its manufacturing and therefore |
this section does not apply.

FACILITY 40 CFR Part 63, Subpart Glass Manufacturing
SSSSSS Area Source NESHAP

Reason: Corning is not a glass manufacturing facility that manufactures flat glass, glass containers, or pressed and blown glass by melting a mixture of raw materials, as defined in §63.11459, to produce molten glass and form the molten glass into sheets, containers, or other shapes.

U-00001 6 NYCRR 212.10 (c) (1) NOx and VOC RACT required at major facilities

Reason: Since the VOC emission rate potentials for emission unit U-00001 are less than 3.0 lbs./hr, VOC RACT is not applicable.

FACILITY 6 NYCRR Subpart 220-2 Glass Plants

Reason: Corning is not a glass manufacturing facility since the facility does not use a glass melting furnace to manufacture glass.

FACILITY 6 NYCRR Part 229 Petroleum and Volatile Organic Liquid Storage and Transfer

Reason: The Corning Plant operates liquid silicone and non-HAP VOC liquid tanks. Pressurized fixed roof tanks which are capable for maintaining a working pressure at all times to prevent emissions to the outdoor atmosphere.

NOTE: Non-applicability determinations are cited as a permit condition under 6 NYCRR Part 201-6.4(g). This information is optional and provided only if the applicant is seeking to obtain formal confirmation, within an issued Title V permit, that specified activities are not subject to the listed federal applicable or state only requirement. The applicant is seeking to obtain verification that a requirement does not apply for the stated reason(s) and the Department has agreed to include the non-applicability determination in the issued Title V permit which in turn provides a shield against any potential enforcement action.

Compliance Certification
Summary of monitoring activities at CORNING INC CANTON PLANT:

<table>
<thead>
<tr>
<th>Location</th>
<th>Cond No.</th>
<th>Type of Monitoring</th>
</tr>
</thead>
<tbody>
<tr>
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<td>2-15</td>
<td>record keeping/maintenance procedures</td>
</tr>
<tr>
<td>FACILITY</td>
<td>5</td>
<td>record keeping/maintenance procedures</td>
</tr>
<tr>
<td>FACILITY</td>
<td>6</td>
<td>record keeping/maintenance procedures</td>
</tr>
<tr>
<td>FACILITY</td>
<td>23</td>
<td>record keeping/maintenance procedures</td>
</tr>
</tbody>
</table>
Basis for Monitoring

Condition 2-4 – 6 NYCRR Subpart 201-7: This monitoring condition will limit emissions of sulfur dioxide below 79500 pounds per year by capping hours of operation for the diesel generators to 510 hours per year combined. Corning will maintain operating records including hours of operation and annual emissions for these generators and submit to DEC as required. The emission factor used to determine SO2 compliance will be determined by manufacturer’s test data. The only change to this condition from Renewal 2 Modification 0 is the removal of a source.

Condition 2-5 - 6 NYCRR Subpart 201-7: This monitoring condition is implemented to avoid PSD applicability. The emissions of PM-109 from emission unit U-00001 process 100 glass forming furnaces are limited to 21.3 tons per year. Corning will track emissions on a 12 month rolling basis to demonstrate compliance with this cap. Emission factors and calculations are subject to NYS DEC approval. This condition is to be monitored monthly. The only change to this condition from Renewal 2 Modification 0 is the grouping to the process level.

Condition 5 – 6 NYCRR 201-6.4 (c)(3)(ii): This condition specifies reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Compliance with this requirement will be reported semiannually.
Condition 2-6 - 6 NYCRR Subpart 201-7: This monitoring condition requires Corning to maintain records of nitrogen oxides emissions for emission units 0-00005 and 0-00006. The hours of operation for the diesel generators cited in emission unit 0-00006 are limited to 510 hours per year combined. Corning will maintain operating records for all generators and submit to DEC on a semi annual basis.

Condition 6 – 6 NYCRR 201-6.4 (e): This monitoring condition outlines the general requirements for compliance certification content; specifies an annual submittal frequency; and identifies the EPA and DEC regional office address where the reports are to be sent.

Condition 7 – 6 NYCRR 202-2.1: This condition requires that emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. It further outlines where these statements should be mailed.

Condition 2-7 - 6 NYCRR Subpart 201-7: This condition requires that emissions testing take place once per permit term to determine an emission factor used in verifying that emission unit U-00001 process 100 does not exceed 31.3 tons per year of particulate. This limit is implemented to avoid PSD applicability.

Condition 2-8 - 6 NYCRR Subpart 201-7: This condition requires that emissions testing take place once per permit term to determine an emission factor used in verifying that emission unit U-00001 process 100 does not exceed 21.3 tons per year of PM-10. This limit is implemented to avoid PSD applicability. The facility shall complete emissions testing utilizing methods 201A and 202.

Condition 2-9 - 6 NYCRR Subpart 201-7: This condition requires that Corning limit the emissions of nitrogen oxides below 79120 pounds per year. Corning will maintain operating records including hours of operation and annual emissions for the diesel generators. Compliance with this condition will be determined by monitoring Distillates number 1 and number 2 oil. Further, the emission factor used to determine NOX compliance shall be determined using data from the NOX emission performance test. This condition will be reported upon annually.

Condition 2-10 - 6 NYCRR Subpart 201-7: This condition is in place to limit the emissions of PM from emission unit U-00001 process 100 to 31.3 tons per year. This limit avoids applicability to PSD. Corning will track emissions on a 12 month rolling basis to demonstrate compliance with this cap. Emission factors and calculations are subject to NYSDEC approval. This condition will be monitored monthly and reported on semi annually.

Condition 2-11 - 6 NYCRR 212-3.1 (f): This condition requires that emission unit U-00001 process 150 glass forming furnaces use oxygen firing to minimize NOx formation to comply with RACT.

Condition 2-12 – 231-6: this condition limits the emissions of nitrogen oxides to 427.43 tons per year for emission unit U-00001 process 100 glass forming furnaces. Corning will track emissions on a 12 month rolling basis to demonstrate compliance with this emission limit. Emission factors and calculations are subject to NYSDEC approval. Records for demonstrating
compliance with this limit shall be maintained for 5 years. This condition outlines that Corning is a major facility for PSD and this limit is also applicable to the compliance of PSD. This condition shall be monitored monthly and reported upon semi annually.

Condition 2-13 – 231-6: NOx emissions are limited to 180 lb/hr for emission unit U-00001 process 100 glass forming furnaces for compliance with LAER. Emission unit U-00001 testing for NOx shall be conducted once per permit term for each of the furnace types on site. the NOx emissions shall be calculated using an emission factor derived from this testing. Testing for NOx is also required to demonstrate compliance with 40 CFR 52.21 cap.

Condition 2-14 – 6 NYCRR 231-6.5: This condition limits NOx emissions based on a LAER determination. Corning has determined that LAER for the glass forming furnaces comprised of emission unit U-00001 process 100 glass forming furnaces which will be in operation at this facility is gas-oxy firing technology using oxygen concentration of 99% or greater. These furnaces are required to use gas-oxy firing technology while in use. Corning canton is also subject to 40 CFR 52.21. Since a LAER determination has been made, the requirements of BACT and RACT have been satisfied.

Condition 2-15 – 40 CFR Part 64: This condition applies to the federal Compliance Assurance Monitoring (CAM) rule, which requires Corning to monitor control devices, capture systems, and/or process parameters to provide a reasonable assurance of compliance with emission limitations or standards. This condition outlines the sources subject to CAM and the specific requirements of the rule that apply.

Condition 23 – 6 NYCRR 201-6.4 (f): This condition outlines the facility “operational flexibility” parameters. It allows changes to be made at the facility, without modifying the permit, provided the changes do not cause an emission limit contained in this permit to be exceeded. The owner or operator of the facility must notify the Department of the change. This condition outlines the specific requirements for the facility to complete an operational flexibility change.

Condition 24 – 6 NYCRR 201-6.4 (g): This condition outlines that the applicable requirements included in this permit apply to equipment while in production mode. R&D operations occurring in equipment subject to a cap are still subject to the cap, but no other underlying applicable requirements. Corning will implement good engineering and maintenance practices to minimize emissions from R&D operations. This condition also requires that the department be notified 30 days prior to the use of permitted equipment for R&D that would result in the emission of a new contaminant. This notification shall also contain an estimation quantifying those emissions.

Condition 25 – 6 NYCRR 201-6.4 (g): This condition verifies that small gas fired boilers at major sources of NOx remain exempt from permitting. Further, this condition requires that small boilers between 1-20 mmbtu/hr must perform an annual tune up and document information regarding this tune up. Documentation must include date of last tune up, and the name, title and affiliation of the person who made the adjustments. This documentation may take the form of
bound log books, electronic records, and/or vendor records and receipts. This condition shall be reported upon annually.

Condition 26 – 6 NYCRR 201-6.4 (g): This condition verifies that the emergency generators included in emission unit 0-00006 and the facility’s miscellaneous exempt combustion sources are exempt from part 227 NOx RACT requirements as long as the emergency generators (S0034-S0037) are limited to 510 hours per year combined. Additionally, all other emission unit 0-00006 emergency generators are operated less than 500 hours year each. This condition is to be monitored and reported upon annually.

Condition 29 – 6 NYCRR 212.4 (c): This condition limits the emissions of solid particulates to less than 0.05 grains of particulates per cubic foot of exhaust gas. This condition is an emissions testing requirement that is to be conducted at the discretion of the Department. This condition is to be monitored and reported upon once during the term of the permit.

Condition 30 – 6 NYCRR 212.6 (a): This condition limits the opacity that is allowed to be emitted by the facility to 20% for any six consecutive minutes. Observations of visible emissions shall take place semi annually to confirm compliance with this condition. This condition also outlines the steps to be taken should visible emission be observed.

Condition 32 – 6 NYCRR 225-1.2 (b): This requirement limits the firing of fuel oil to oil with a sulfur content of 1.5% sulfur through June 30, 2014. This requirement requires record keeping for at least five years for each delivery. Further, compliance should be reported on a semi annual basis.

Condition 33 – 6 NYCRR 225-1.2 (g): This requirement limits the purchase of fuel oil to oil with a sulfur content of 0.0015% sulfur after July 1, 2014. This requirement requires record keeping for at least five years for each delivery. Further, compliance should be reported on a semi annual basis.

Condition 40 – 6 NYCRR 231-6: This condition requires that Corning will maintain records of NOx emissions for emission units 00005 and 00006, sources, s00034-S0037. Hours of operation for the diesel generators S0034-S0037 are limited to 510 hours per year. This condition is to be monitored monthly to verify the annual maximum hours rolled monthly and reported upon semi annually.

Condition 47 – 6 NYCRR 212.4 (c): In order to demonstrate compliance with the 0.05 gr/dscf particulate limit, Corning will monitor the pressure drop across each baghouse (Control device K0002, K0003, K0004, K0005) continuously. This monitoring condition will verify compliance for sources S0001, S0002, and S0003 and shall. Baghouse pressure drops shall be maintained between 2 and 8 inches of water and recorded daily. These records must be maintained for five years. Further, this limit does not apply to the startup of baghouses following a filter replacement. This condition is to be reported upon semi annually.

Condition 56 – 6 NYCRR 212.4 (a): Corning has demonstrated that the ambient impact of hydrogen fluoride (HF) emissions from the facility does not exceed the part 257-8 ambient
fluoride standard, based on dispersion modeling report submitted to the Department in July 2011. The dispersion model accounted for maximum facility wide HF emissions given currently known operating conditions. In the event that source operating conditions change in a manner that will produce 12-hour HF emissions that are greater than those represented in the July 2011 model, Corning shall update the dispersion model to demonstrate that the new HF emissions scenario continues to be in compliance with the fluoride standard. Corning will maintain records of all revised dispersion modeling results on site, and make the results available for the department’s inspection upon request. This condition is subject to annual certification and shall be reported on semi annually.

Condition 57 – 6 NYCRR 212.4 (a): This condition requires that Corning perform emission stack testing once per permit term for total fluorides. Test protocol and results must be approved by the Department. Once test results are approved, they may be used to update the dispersion modeling if required. The dispersion modeling must demonstrate compliance with all fluoride standards including the monthly average ambient air quality standard of 1 ppb by volume. The 1 ppb limit is not an emission point stack limit.