

Facility DEC ID: 8464200045

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 8-4642-00045/02001
Effective Date: 09/30/2022 Expiration Date: 09/29/2032

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

Contact: MELISSA MCDONALD
Corning, Inc.
SP-AR-01-1
Corning, NY 14831
(607) 974-5179

Facility: CERAMIC CORRIDOR INNOVATION CENTER
109 CANADA RD
ERWIN, NY

Description:

The Corning Ceramics Innovation Corridor (CCIC) located in Erwin (Village of Painted Post) New York has applied for an Air State Facility (ASF) permit for processes involving cleaning, wet chemical processing, and drying of glass sheets including the addition of up to two new wet processing tools. CCIC has operated under an Air Facility Registration (AFR) to date, but changes to several emission units, requiring them to be exhausted to wet scrubbers to comply with requirements under 6 NYCRR Part 212-2.3, prompted the need to move to an ASF permit. Potential and annual emissions for hazardous air pollutants (HAPS) and criteria air pollutants remain below both ASF and Title V thresholds. Activities take place in clean room and non-cleanroom environments - often in benchtop open tank units. Processes may be used in both production and research and development modes.

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: KIMBERLY A MERCHANT
6274 E AVON LIMA RD
AVON, NY 14414-9519

Facility DEC ID: 8464200045

Authorized Signature: _____

Date: ___ / ___ / _____

Facility DEC ID: 8464200045

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.

Facility DEC ID: 8464200045

PAGE LOCATION OF CONDITIONS

PAGE

DEC GENERAL CONDITIONS

General Provisions

- 4 1 Facility Inspection by the Department
- 4 2 Relationship of this Permit to Other Department Orders and Determinations
- 4 3 Applications for permit renewals, modifications and transfers
- 5 4 Permit modifications, suspensions or revocations by the Department

Facility Level

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

Facility DEC ID: 8464200045

DEC GENERAL CONDITIONS
****** General Provisions ******
GENERAL CONDITIONS - Apply to ALL Authorized Permits.

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

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

Condition 2: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3

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

Facility DEC ID: 8464200045

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

Item 4.1:

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

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

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

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

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 8 Headquarters
Division of Environmental Permits
6274 Avon-Lima Road
Avon, NY 14414-9519
(585) 226-2466

Permit ID: 8-4642-00045/02001

Facility DEC ID: 8464200045

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

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

Facility: CERAMIC CORRIDOR INNOVATION CENTER
109 CANADA RD
ERWIN, NY

Authorized Activity By Standard Industrial Classification Code:
8731 - COMMERCIAL PHYSICAL RESEARCH

Permit Effective Date: 09/30/2022

Permit Expiration Date: 09/29/2032

Permit ID: 8-4642-00045/02001

Facility DEC ID: 8464200045

PAGE LOCATION OF CONDITIONS

PAGE

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 6 1 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 6 2 6 NYCRR 211.2: Visible Emissions Limited
- 6 3 40CFR 60, NSPS Subpart IIII: Applicability

Emission Unit Level

EU=U-00001

- 6 4 6 NYCRR 212-2.3 (b): Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 10 5 ECL 19-0301: Contaminant List
- 11 6 6 NYCRR 201-1.4: Malfunctions and Start-up/Shutdown Activities
- 12 7 6 NYCRR Subpart 201-5: Emission Unit Definition
- 12 8 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 12 9 6 NYCRR 201-5.3 (c): CLCPA Applicability
- 12 10 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 13 11 6 NYCRR 211.1: Air pollution prohibited

Emission Unit Level

- 13 12 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 14 13 6 NYCRR Subpart 201-5: Process Definition By Emission Unit

EU=U-00001,EP=00001

- 15 14 6 NYCRR Subpart 257-4: Compliance Demonstration

EU=U-00001,EP=00005

- 16 15 6 NYCRR Subpart 257-4: Compliance Demonstration

Permit ID: 8-4642-00045/02001

Facility DEC ID: 8464200045

FEDERALLY ENFORCEABLE CONDITIONS

FINAL

**** Facility Level ****

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Sealing - 6 NYCRR 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation. Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6

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.

Item C: Maintenance of Equipment - 6 NYCRR 200.7

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,

Permit ID: 8-4642-00045/02001

Facility DEC ID: 8464200045

required to operate such device effectively.

Item D: Unpermitted Emission Sources - 6 NYCRR 201-1.2

(a) Except as otherwise provided by this Part, construction or operation of a new, modified or existing air contamination source without a registration or permit issued pursuant to this Part is prohibited.

(b) If an existing facility or emission source was subject to the permitting requirements of this Part at the time of construction or modification, and the owner or operator failed to apply for a permit or registration as described in this Part, the owner or operator must apply for a permit or registration in accordance with the provisions of this Part. The facility or emission source is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing emission sources.

Item E: Recycling and Salvage - 6 NYCRR 201-1.7

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

Item F: Prohibition of Reintroduction of Collected Contaminants to the Air - 6 NYCRR 201-1.8

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.

Item G: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR 201-3.2 (a)

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request.

Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, 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 H: Proof of Eligibility for Sources Defined as Trivial

Permit ID: 8-4642-00045/02001

Facility DEC ID: 8464200045

Activities - 6 NYCRR 201-3.3 (a)

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, 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 I: Required Emission Tests - 6 NYCRR 202-1.1

An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6 NYCRR Subpart 202-1.

Item J: Open Fires Prohibitions - 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.

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)

Permit ID: 8-4642-00045/02001

Facility DEC ID: 8464200045

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.

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1: Recycling and Emissions Reduction
Effective between the dates of 09/30/2022 and 09/29/2032

Applicable Federal Requirement:40CFR 82, Subpart F

Item 1.1:
 The permittee shall comply with all applicable provisions of 40 CFR Part 82.

Condition 2: Visible Emissions Limited
Effective between the dates of 09/30/2022 and 09/29/2032

Applicable Federal Requirement:6 NYCRR 211.2

Item 2.1:
 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 3: Applicability
Effective between the dates of 09/30/2022 and 09/29/2032

Applicable Federal Requirement:40CFR 60, NSPS Subpart IIII

Item 3.1:
 Facilities that have stationary compression ignition internal combustion engines must comply with applicable portions of 40 CFR 60 Subpart IIII.

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

Condition 4: Compliance Demonstration
Effective between the dates of 09/30/2022 and 09/29/2032

Permit ID: 8-4642-00045/02001

Facility DEC ID: 8464200045

Applicable Federal Requirement: 6 NYCRR 212-2.3 (b)

Item 4.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 000067-63-0	ISOPROPYL ALCOHOL
CAS No: 001310-58-3	POTASSIUM HYDROXIDE
CAS No: 001310-73-2	SODIUM HYDROXIDE
CAS No: 001336-21-6	AMMONIUM HYDROXIDE
CAS No: 007664-39-3	HYDROGEN FLUORIDE
CAS No: 007697-37-2	NITRIC ACID
CAS No: 007722-84-1	HYDROGEN PEROXIDE
CAS No: 007647-01-0	HYDROGEN CHLORIDE

Item 4.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator shall not allow emissions of an air contaminant to violate the requirements specified in Table 4 – Degree of Air Cleaning Required for Non-Criteria Air Contaminants under 6 NYCRR Part 212-2.3, as applicable, for the environmental rating assigned to the contaminant by the department.

The listed non-HTAC contaminants have been demonstrated to be in compliance with 6 NYCRR Part 212-2.1(b) by meeting the DAR-1 guideline concentrations. The listed non-HTAC contaminants shall continue to meet the DAR-1 guideline concentrations.

Any proposed increase in the ERP of any listed non-HTAC contaminant greater than or equal to 10 pounds per hour shall require a permit modification prior to implementation of such increase.

The facility owner or operator shall verify the parameters used to demonstrate compliance with Table 4 annually. These parameters include, but are not limited to engineering emission estimates, mass balances, process flows, production records, control equipment parameters, manufacturer’s or published emission factors, etc. Any significant change to these parameters or any method of operation which could conceivably increase the emissions, increase the emission rate potential, decrease the air cleaning control efficiency, or be cause to alter the environmental rating of any contaminant may be considered

Permit ID: 8-4642-00045/02001

Facility DEC ID: 8464200045

a modification to the permit and will require a reevaluation to ensure continued compliance with Part 212.

Additionally, the facility owner or operator will investigate, in a timely manner, any instance where there is reason to believe that there is or has been an emissions increase above those that are listed on the application, or that Part 212 emissions standards may have been or continue to be exceeded. In such cases, the facility owner or operator shall investigate the cause, make any necessary corrections, and verify that the potential excess emissions problem has been corrected.

At all times, the facility owner or operator must operate and maintain all process emission sources, including the associated air pollution control and monitoring equipment, in a manner consistent with safe, good air pollution control practices, good engineering practices and manufacturers' recommendations for minimizing emissions.

Records of calculation reviews, observations, investigations and corrective actions will be kept on-site. A summary of these records will be kept on-site in a format acceptable to the Department and available upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Permit ID: 8-4642-00045/02001

Facility DEC ID: 8464200045

STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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

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

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

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

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

Item B: Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)

Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance

Permit ID: 8-4642-00045/02001

Facility DEC ID: 8464200045

with 6 NYCRR Part 616 - Public Access to Records.
Facility owners and/or operators must submit the records
required to comply with the request within sixty working
days of written notification by the Department.

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.

Condition 5: Contaminant List
Effective between the dates of 09/30/2022 and 09/29/2032

Applicable State Requirement: ECL 19-0301

Item 5.1:

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

CAS No: 000067-63-0
Name: ISOPROPYL ALCOHOL

CAS No: 001310-58-3
Name: POTASSIUM HYDROXIDE

CAS No: 001310-73-2
Name: SODIUM HYDROXIDE

Permit ID: 8-4642-00045/02001

Facility DEC ID: 8464200045

CAS No: 001336-21-6
Name: AMMONIUM HYDROXIDE

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

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

CAS No: 007697-37-2
Name: NITRIC ACID

CAS No: 007722-84-1
Name: HYDROGEN PEROXIDE

Condition 6: Malfunctions and Start-up/Shutdown Activities
Effective between the dates of 09/30/2022 and 09/29/2032

Applicable State Requirement:6 NYCRR 201-1.4

Item 6.1:

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

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

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

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

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or

Permit ID: 8-4642-00045/02001

Facility DEC ID: 8464200045

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 7: Emission Unit Definition
Effective between the dates of 09/30/2022 and 09/29/2032

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 7.1:

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

Emission Unit: U-00001

Emission Unit Description:

This emission unit involves cleaning and other glass processing operations for commercial sale of glass products. Emission unit also includes diesel emergency generator.

Building(s): MAIN

Condition 8: Renewal deadlines for state facility permits
Effective between the dates of 09/30/2022 and 09/29/2032

Applicable State Requirement:6 NYCRR 201-5.2 (c)

Item 8.1:

The owner or operator of a facility having an issued state facility 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.

Condition 9: CLCPA Applicability
Effective between the dates of 09/30/2022 and 09/29/2032

Applicable State Requirement:6 NYCRR 201-5.3 (c)

Item 9.1:

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

Condition 10: Compliance Demonstration
Effective between the dates of 09/30/2022 and 09/29/2032

Permit ID: 8-4642-00045/02001

Facility DEC ID: 8464200045

Applicable State Requirement:6 NYCRR 201-5.3 (c)

Item 10.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 10.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any reports or submissions required by this permit shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at the following address:

Division of Air Resources
NYS Dept. of Environmental Conservation
Region 8
6274 East Avon-Lima Rd.
Avon, NY 14414

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2023.

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

Condition 11: Air pollution prohibited
Effective between the dates of 09/30/2022 and 09/29/2032

Applicable State Requirement:6 NYCRR 211.1

Item 11.1:

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.

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

Condition 12: Emission Point Definition By Emission Unit
Effective between the dates of 09/30/2022 and 09/29/2032

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 12.1:

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

Permit ID: 8-4642-00045/02001

Facility DEC ID: 8464200045

Emission Unit: U-00001

Emission Point: 00001

Height (ft.): 42 Diameter (in.): 10
 NYTMN (km.): 4670.1 NYTME (km.): 325.8 Building: MAIN

Emission Point: 00004

Height (ft.): 42 Diameter (in.): 22
 NYTMN (km.): 4670.1 NYTME (km.): 325.8 Building: MAIN

Emission Point: 00005

Height (ft.): 27 Diameter (in.): 20
 NYTMN (km.): 4670.1 NYTME (km.): 325.8 Building: MAIN

Emission Point: 00006

Height (ft.): 27 Diameter (in.): 28
 NYTMN (km.): 4670.1 NYTME (km.): 325.8 Building: MAIN

Condition 13: Process Definition By Emission Unit
Effective between the dates of 09/30/2022 and 09/29/2032

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 13.1:

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

Emission Unit: U-00001

Process: 100 Source Classification Code: 3-05-014-15

Process Description:

Glass etching, cleaning, rinsing and processing operations. This equipment may also be used in an exempt R&D mode.

Emission Source/Control: CT001 - Control

Control Type: WET SCRUBBER

Emission Source/Control: CCIC1 - Process

Emission Source/Control: CCIC6 - Process

Item 13.2:

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

Emission Unit: U-00001

Process: 300 Source Classification Code: 3-05-014-15

Process Description:

Glass etching, cleaning, rinsing and processing operations in a clean room environment. This equipment may also be used in an exempt R&D mode.

Emission Source/Control: CT004 - Control

Control Type: WET SCRUBBER

Permit ID: 8-4642-00045/02001

Facility DEC ID: 8464200045

Emission Source/Control: CCIC7 - Process

Emission Source/Control: CCIC8 - Process

Emission Source/Control: CCIC9 - Process

Item 13.3:

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

Emission Unit: U-00001

Process: 400

Source Classification Code: 2-02-017-02

Process Description:

Caterpillar Model C15 400 KW (536 HP) emergency diesel generator. Used for emergency power generation.

Emission Source/Control: EMGEN - Combustion

Condition 14: Compliance Demonstration

Effective between the dates of 09/30/2022 and 09/29/2032

Applicable State Requirement:6 NYCRR Subpart 257-4

Item 14.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 14.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The wet scrubber associated with the process operations shall be operated and monitored continuously for pH while the process is in operation. The one hour average pH shall be maintained at a minimum of 6.0 pH units. The permittee will investigate, in a timely manner, any instance where there is cause to believe that the pH has fallen below the stated value. The permittee shall make any necessary corrections and verify that the pH problem has been corrected.

At all times, the facility owner or operator must operate and maintain all process emission sources, including the associated air pollution control and monitoring equipment, in a manner consistent with safe, good air pollution control practices, good engineering practices and

Permit ID: 8-4642-00045/02001

Facility DEC ID: 8464200045

manufacturers’ recommendations for minimizing emissions.

Records of pH monitoring, 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. A summary of these records will be included in the annual compliance monitoring report.

Parameter Monitored: ACIDITY/ALKALINITY
 Lower Permit Limit: 6.0 pH (STANDARD) units
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2023.
 Subsequent reports are due every 12 calendar month(s).

Condition 15: Compliance Demonstration
Effective between the dates of 09/30/2022 and 09/29/2032

Applicable State Requirement:6 NYCRR Subpart 257-4

Item 15.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00005

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

Item 15.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The wet scrubber associated with the process operations shall be operated and monitored continuously for pH while the process is in operation. The one hour average pH shall be maintained at a minimum of 6.0 pH units. The permittee will investigate, in a timely manner, any instance where there is cause to believe that the pH has fallen below the stated value. The permittee shall make any necessary corrections and verify that the pH problem has been corrected.

Permit ID: 8-4642-00045/02001

Facility DEC ID: 8464200045

At all times, the facility owner or operator must operate and maintain all process emission sources, including the associated air pollution control and monitoring equipment, in a manner consistent with safe, good air pollution control practices, good engineering practices and manufacturers' recommendations for minimizing emissions.

Records of pH monitoring, 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. A summary of these records will be included in the annual compliance monitoring report.

Parameter Monitored: ACIDITY/ALKALINITY
Lower Permit Limit: 6.0 pH (STANDARD) units
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2023.
Subsequent reports are due every 12 calendar month(s).

Permit ID: 8-4642-00045/02001

Facility DEC ID: 8464200045