



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 4-2701-00013/00013
Mod 0 Effective Date: 12/12/2000 Expiration Date: No expiration date.
Mod 1 Effective Date: 08/22/2001 Expiration Date: No expiration date.
Mod 2 Effective Date: 10/27/2009 Expiration Date: No expiration date.

Permit Issued To: F G I FIBERS INC
HOMESTEAD PL
AMSTERDAM, NY 12010

Contact: PAUL LIERHEIMER
FIBER GLASS INDUSTRIES
69 EDSON STREET
AMSTERDAM, NY 12010
(518) 842-4000

Facility: FIBER GLASS INDUSTRIES INC
69 EDSON STREET INDUSTRIAL PARK
AMSTERDAM, NY 12010

Description:

The facility is installing a new polypropylene thread process, including silos, two extruders, a new drying oven, and a procedyne cleaning process. The facility performed a furnace burner change out in 2007, which replaced the air fired natural gas burners with oxygen fired burners to help reduce NOx emissions.

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: NANCY M BAKER
NYSDEC
1130 N WESTCOTT RD
SCHENECTADY, NY 12306-2014

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of Applications for Permit Modification or Renewal -REGION 4 HEADQUARTERS
- Submission of application for permit modification or renewal-REGION 4 HEADQUARTERS



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 2-1: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 2-1.1:

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 2-1.2:

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

Item 2-1.3:

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

Condition 2-2: Permit modifications, suspensions or revocations by the



Applicable State Requirement: 6 NYCRR 621.13

Item 2-2.1:

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

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

Condition 3: Applications for Permit Renewals and Modifications

Applicable State Requirement: 6 NYCRR 621.13 (a)

Expired by Mod No: 2

Item 3.1:

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

Item 3.2:

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

Condition 4: Permit Modifications, Suspensions, and Revocations by the Department

Applicable State Requirement: 6 NYCRR 621.14

Expired by Mod No: 2

Item 4.1:

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for modification, suspension or revocation include:

- a) the scope of the permitted activity described in the application is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
- b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
- c) new material information is discovered; or
- d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.

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

Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 4 HEADQUARTERS



Expired by Mod No: 2

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 4 Headquarters
Division of Environmental Permits
1150 North Wescott Rd.
Schenectady, NY 12306-2014
(518) 357-2068

Condition 2-3: Submission of application for permit modification or renewal-REGION 4

HEADQUARTERS

Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 2-3.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 4 Headquarters
Division of Environmental Permits
1130 North Westcott Rd.
Schenectady, NY 12306-2014
(518) 357-2069



Permit Under the Environmental Conservation Law (ECL)

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY
PERMIT**

IDENTIFICATION INFORMATION

Permit Issued To: F G I FIBERS INC
HOMESTEAD PL
AMSTERDAM, NY 12010

Facility: FIBER GLASS INDUSTRIES INC
69 EDSON ST | EDSON STREET INDUSTRIAL PARK
AMSTERDAM, NY 12010

Authorized Activity By Standard Industrial Classification Code:
3229 - PRESSED AND BLOWN GLASS, NEC

Mod 0 Permit Effective Date: 12/12/2000
date.

Permit Expiration Date: No expiration

Mod 1 Permit Effective Date: 08/22/2001
date.

Permit Expiration Date: No expiration

Mod 2 Permit Effective Date: 10/27/2009
date.

Permit Expiration Date: No expiration



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 2-1 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 2-2 6 NYCRR 202-1.2: Notification
- 2-3 6 NYCRR 202-1.3: Acceptable procedures
- 2-4 6 NYCRR 202-1.3: Acceptable procedures - Stack test report submittal
- 2-5 6 NYCRR 202-1.3: Alternate test methods
- 2-6 6 NYCRR 202-1.4: Separate emission test by the commissioner
- 2-7 6 NYCRR 202-1.5: Prohibitions
- 2-8 6 NYCRR 212.4 (a): Emissions from new emission sources and/or modifications
- 2-9 6 NYCRR 212.4 (a): Compliance Demonstration
- 2-10 6 NYCRR 212.4 (c): Compliance Demonstration
- 2-11 6 NYCRR 212.5 (e): Sources meeting Federal requirements, satisfy Part 212 compliance for regulated contaminant
- 2-12 6 NYCRR 212.6 (a): Compliance Demonstration
- 2-13 6 NYCRR 212.6 (a): Compliance Demonstration
- 2-14 6 NYCRR 212.10 (e): RACT Applicability for Major Facilities
- 2-15 6 NYCRR 212.11 (a): Sampling and Monitoring
- 2-16 6 NYCRR 231-2.6: Compliance Demonstration
- 2-17 6 NYCRR 231-2.6: Compliance Demonstration
- 2-19 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 2-20 40CFR 60.7(a), NSPS Subpart A: Date of construction notification - If a COM is not used.
- 2-21 40CFR 60.7(a), NSPS Subpart A: Modification Notification
- 2-22 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 2-23 40CFR 60.7(c), NSPS Subpart A: Compliance Demonstration
- 2-24 40CFR 60.7(d), NSPS Subpart A: Excess emissions report.
- 2-25 40CFR 60.7(e), NSPS Subpart A: Monitoring frequency waiver.
- 2-26 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 2-27 40CFR 60.7(g), NSPS Subpart A: Notification Similar to State or Local Agency
- 2-28 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 2-29 40CFR 60.8(b), NSPS Subpart A: Performance Test Methods - Waiver
- 2-30 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 2-31 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 2-32 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 2-33 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 2-34 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 2-35 40CFR 60.9, NSPS Subpart A: Availability of information.
- 2-36 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 2-37 40CFR 60.12, NSPS Subpart A: Circumvention.
- 2-38 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 2-39 40CFR 60.14, NSPS Subpart A: Modifications.
- 2-18 40CFR 60.15, NSPS Subpart A: Reconstruction
- 2-40 40CFR 60.292(a), NSPS Subpart CC: Compliance Demonstration
- 2-41 40CFR 60.292(a), NSPS Subpart CC: Compliance Demonstration

Emission Unit Level



EU=U-00001

1-4 6 NYCRR 231-2.6: Past Reduction By Over Control / Source Reduction

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

2-42 ECL 19-0301: Contaminant List

2-43 6 NYCRR 201-1.4: Unavoidable noncompliance and violations

31 6 NYCRR Subpart 201-5: Emission Unit Definition

2-44 6 NYCRR 211.2: Air pollution prohibited

2-45 6 NYCRR 212.4 (a): Compliance Demonstration

Emission Unit Level

34 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit

35 6 NYCRR Subpart 201-5: Process Definition By Emission Unit



FEDERALLY ENFORCEABLE CONDITIONS

****** 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, required to operate such device effectively.



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

If an existing emission source was subject to the permitting requirements of 6 NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: Emergency Defense - 6 NYCRR 201-1.5

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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

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

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;

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

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

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

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



Item F: 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 G: 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 H: 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 I: Proof of Eligibility for Sources Defined as Trivial 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 J: 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 K: Visible Emissions Limited - 6 NYCRR 211.3

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.

Item L: Open Fires - 6 NYCRR Part 215

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, rubbish for salvage, or rubbish generated by industrial or commercial activities.

Item M: 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 N: 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.



FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 2-1: Recycling and Emissions Reduction
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 82, Subpart F

Item 2-1.1:

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

Condition 2-2: Notification
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 202-1.2

Item 2-2.1:

A person who is required by the commissioner to submit a stack test report shall notify the commissioner, in writing, not less than 30 days prior to the test, of the time and date of the test. Such notification shall also include the acceptable procedures to be used to stack test including sampling and analytical procedures. Such person shall allow the commissioner, or his representative, free access to observe stack testing being conducted by such person.

Condition 2-3: Acceptable procedures
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 202-1.3

Item 2-3.1:

Emission testing, sampling, and analytical determinations to ascertain compliance with this Subpart shall be conducted in accordance with test methods acceptable to the commissioner.

Condition 2-4: Acceptable procedures - Stack test report submittal
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 202-1.3

Item 2-4.1:

Emission test reports must be submitted in triplicate to the commissioner within 60 days after the completion of the tests, unless additional time is requested in writing.

Condition 2-5: Alternate test methods
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 202-1.3

Item 2-5.1:

Alternate emission test methods or deviations from acceptable test methods may be utilized if it is impractical to utilize the acceptable test methods or where no applicable test method is available, if prior acceptance of the proposed alternate method is granted by the commissioner.



Condition 2-6: Separate emission test by the commissioner
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 202-1.4

Item 2-6.1:

The commissioner may conduct separate or additional emission tests on the behalf of the State to ascertain compliance or noncompliance with any air pollution code, rule, or regulation.

Condition 2-7: Prohibitions
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 202-1.5

Item 2-7.1:

No person shall conceal an emission by the use of air or other gaseous diluents to achieve compliance with an emission standard which is based on the concentration of a contaminant in the gases emitted through a stack.

Condition 2-8: Emissions from new emission sources and/or modifications
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212.4 (a)

Item 2-8.1:

This Condition applies to:

Emission Unit: U00001

Emission Unit: U00002

Item 2-8.2:

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

Condition 2-9: Compliance Demonstration
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212.4 (a)

Item 2-9.1:

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

Emission Unit: U-00001

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

Item 2-9.2:

Compliance Demonstration shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Compliance with the requirement will be accomplished by operating and maintaining the control equipment (dry scrubber and electrostatic precipitator) in accordance with the manufacturer's operating procedures, instructions and requirements. A copy of the manufacturer's operating procedures, instructions and requirements shall be maintained with the permit for this facility at all times, and shall be retained for a period of not less than five (5) years.

The facility owner/operator will inspect the control equipment every shift. If the control equipment is not operating as required, corrective action is required.

The facility owner/operator will maintain a log and/or records which will indicate the results of the per shift inspections, routine maintenance activities, and any repairs and/or corrective actions taken. The log and/or records are to be maintained on site for a period of five years.

Monitoring Frequency: PER SHIFT

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 2-10: Compliance Demonstration

Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 212.4 (c)

Item 2-10.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Emission Point: 00002

Emission Unit: U-00002

Emission Point: 00004

Emission Unit: U-00002

Emission Point: 00005

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES



Item 2-10.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted by the facility at the request of the Department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 2-11: Sources meeting Federal requirements, satisfy Part 212 compliance for regulated contaminant Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212.5 (e)

Item 2-11.1:

This Condition applies to:

Emission Unit: U00001 Emission Point: 00001

Item 2-11.2:

A process emission source, subject to the Federal new source performance standards in 40 CFR Part 60, the national emission standards for hazardous air pollutants in 40 CFR part 61, or to the polychlorinated biphenyl disposal criteria in 40 CFR Part 761 satisfies the requirements of this Part for the contaminant regulated by the Federal standard if the source owner can demonstrate that the source is in compliance with the respective Federal regulation.

Condition 2-12: Compliance Demonstration Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 2-12.1:

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

Emission Unit: U-00001

Emission Unit: U-00002



Item 2-12.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 2-13: Compliance Demonstration
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 212.6 (a)

Item 2-13.1:

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

Emission Unit: U-00001

Emission Unit: U-00002

Item 2-13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The facility owner/operator shall conduct a visible emissions observation (determining the presence or absence of visible emissions greater than the limit specified) of all emission points and/or emission sources once per day, during daylight hours, except during conditions of extreme weather (fog, snow, rain). If any visible emissions are noted above the limit specified, corrective action is required.

If any visible emissions greater than the limit specified



(except the emission of uncombined water) are observed for three consecutive operating days from the same emission point and/or emission source, the facility owner/operator will notify the Department of the observations within one business day. The facility owner/operator will also perform a Method 9 analysis of the affected emission point and submit the results to the Department.

Daily records of observations are to be maintained, including corrective actions taken and explanations for days when weather conditions are prohibitive, on site for a period of five years.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 2-14: RACT Applicability for Major Facilities
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212.10 (e)

Item 2-14.1:

All process sources applicable to 6 NYCRR Part 212.10 after May 31, 1995 will remain subject to all provisions of that section even if the facility's annual potential to emit of nitrogen oxides or volatile organic emissions falls below the applicability thresholds.

Condition 2-15: Sampling and Monitoring
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212.11 (a)

Item 2-15.1:

The owner and/or operator of this facility, if required by the department to conduct stack testing to demonstrate compliance with 6 NYCRR Part 212, must comply with notification requirements and conduct capture efficiency and/or stack testing using acceptable procedures pursuant to 6 NYCRR Part 202.

Condition 2-16: Compliance Demonstration
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 231-2.6

Item 2-16.1:

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

Emission Unit: U-00001

Regulated Contaminant(s):

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



Item 2-16.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The facility shall limit the emission of Oxides of Nitrogen (NO_x) to 155,314.8 pounds per year for the emission unit in order to obtain emission reduction credits (ERCs) for the over control of emissions beyond an applicable limit (RACT). The facility shall calculate Oxides of Nitrogen (NO_x) emissions on a monthly basis. The facility shall keep records of the monthly and annual maximum (rolled monthly) emissions of NO_x from the emission unit on site for a period of five years. In addition, the methods, calculations, and data used to determine the monthly and annual emissions shall be maintained on site for a period of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 155,314.8 pounds per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2010.

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

Condition 2-17: Compliance Demonstration

Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 231-2.6

Item 2-17.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Emission Point: 00001

Regulated Contaminant(s):

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

Item 2-17.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility performed stack testing on June 6, 2000 in order to determine the Oxides of Nitrogen (NO_x) emissions from the emission unit as a result of changes to the furnace. The results indicated that the emission unit had potential emissions of 16.1 pounds per hour and 70.6 tons



per year.

In order to obtain emission reduction credits (ERCs) for the over control of emissions beyond an applicable limit (RACT), the facility is limiting the emissions of NO_x from the emission unit to 17.73 pounds per hour (155,314.8 pounds per year). Limiting the emissions at the above level will also indicate compliance with NO_x RACT.

Therefore, the facility will be required to perform stack testing once every five years based on the anniversary date of the previous stack test. The stack testing shall be performed under the same production conditions as was the June 6, 2000 stack test. The results of the stack testing shall be required to be submitted to the Department in accordance with 6 NYCRR Part 202-1.3

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 17.73 pounds per hour

Reference Test Method: EPA METHOD 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 2-19: EPA Region 2 address.

Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 2-19.1:

This Condition applies to:

Emission Unit: U00001

Item 2-19.2:

All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance
USEPA Region 2
290 Broadway, 21st Floor
New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

NYSDEC
Bureau of Quality Assurance



- a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under 40 CFR Part 60. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productivity capability of the facility before and after the change, and the expected completion date of the change. The Administrator and/or this Department may request additional information regarding the change.

Condition 2-22: Recordkeeping requirements.

Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.7(b), NSPS Subpart A

Item 2-22.1:

This Condition applies to:

Emission Unit: U00001

Item 2-22.2:

Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Condition 2-23: Compliance Demonstration

Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.7(c), NSPS Subpart A

Item 2-23.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Item 2-23.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Affected owners or operators shall submit an excess emissions report and/or a summary report form (as defined in 40 CFR 60.7(d)) semi-annually (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be post marked no later than 30 days after each six (6) month period (or as appropriate), and shall contain the following information:

1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each



occurrence, and the process operating time during the reporting period;

2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;

3) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments; and

4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be provided in the report.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2010.

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

Condition 2-24: Excess emissions report.
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.7(d), NSPS Subpart A

Item 2-24.1:

This Condition applies to:

Emission Unit: U00001

Item 2-24.2:

A summary report form, for each pollutant monitored, shall be sent to the Administrator in the form prescribed in Figure 1 of 40 CFR Part 60.7(d).

Condition 2-25: Monitoring frequency waiver.
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.7(e), NSPS Subpart A

Item 2-25.1:

This Condition applies to:

Emission Unit: U00001

Item 2-25.2: Notwithstanding the frequency of reporting requirements specified in paragraph (c) of this section, an owner or operator who is required by an applicable subpart to submit excess emissions and monitoring systems performance reports (and summary reports) on



a quarterly (or more frequent) basis may reduce the frequency of reporting for that standard to semiannual if the conditions in 40 CFR 60.7(e) are met.

Condition 2-26: Facility files for subject sources.
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.7(f), NSPS Subpart A

Item 2-26.1:

This Condition applies to:

Emission Unit: U00001

Item 2-26.2:

The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations;all continuous monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspections. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

Condition 2-27: Notification Similar to State or Local Agency
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.7(g), NSPS Subpart A

Item 2-27.1:

This Condition applies to:

Emission Unit: U00001

Item 2-27.2:

If notification substantially similar to that in 40 CFR Part 60.7(a) is required by any other State or local agency, sending the Administrator a copy of that notification will satisfy the requirements of 40 CFR Part 60.7(a).

Condition 2-28: Performance testing timeline.
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.8(a), NSPS Subpart A

Item 2-28.1:

This Condition applies to:

Emission Unit: U00001

Item 2-28.2:

Within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup of the facility, the owner or operator of the facility shall conduct performance



based upon representative performance data supplied by the owner or operator of the facility.

Condition 2-32: Prior notice.

Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.8(d), NSPS Subpart A

Item 2-32.1:

This Condition applies to:

Emission Unit: U00001

Item 2-32.2:

The owner or operator shall provide the Administrator with prior notice of any performance test at least 30 days in advance of testing.

Condition 2-33: Performance testing facilities.

Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.8(e), NSPS Subpart A

Item 2-33.1:

This Condition applies to:

Emission Unit: U00001

Item 2-33.2:

The following performance testing facilities shall be provided during all tests:

- 1) sampling ports adequate for tests methods applicable to such facility;
- 2) a safe sampling platform;
- 3) a safe access to the sampling platform; and
- 4) utilities for sampling and testing equipment.

Condition 2-34: Number of required tests.

Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.8(f), NSPS Subpart A

Item 2-34.1:

This Condition applies to:

Emission Unit: U00001

Item 2-34.2:

Each performance test shall consist of three separate runs, at the specified duration required in the applicable test method. Compliance with all applicable standards shall be determined by



using the arithmetic means of the results of the three runs.

Condition 2-35: Availability of information.
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A

Item 2-35.1:

This Condition applies to:

Emission Unit: U00001

Item 2-35.2:

The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by 40 CFR Part 2.

Condition 2-36: Opacity standard compliance testing.
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A

Item 2-36.1:

This Condition applies to:

Emission Unit: U00001

Item 2-36.2:

The following conditions shall be used to determine compliance with the opacity standards:

1) observations shall be conducted in accordance with Reference Method 9, in Appendix A of 40 CFR Part 60(or an equivalent method approved by the Administrator including continuous opacity monitors);

2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and

3) all other applicable conditions cited in section 60.11 of this part.

Condition 2-37: Circumvention.
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 2-37.1:

This Condition applies to:

Emission Unit: U00001

Item 2-37.2:

No owner or operator subject to the provisions of this part shall build, erect, install, or use any



- 2) name and address of the owner or operator;
- 3) the location of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;
- 7) the estimated life of the facility after the replacements; and
- 8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

Condition 2-40: Compliance Demonstration
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.292(a), NSPS Subpart CC

Item 2-40.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 2-40.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No owner or operator of a glass melting furnace subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any glass melting furnace fired exclusively with either a gaseous fuel or a liquid fuel, particulate matter at emission rates exceeding those specified in Table CC-1, Column 2 and Column 3, respectively.

Compliance with the requirement will be accomplished by operating and maintaining the control equipment (dry scrubber and electrostatic precipitator) in accordance with the manufacturer's operating procedures, instructions and requirements. A copy of the manufacturer's operating procedures, instructions and requirements shall be maintained with the permit for this facility at all times, and shall be retained for a period of not less than five (5) years.



The facility owner/operator will inspect the control equipment every shift. If the control equipment is not operating as required, corrective action is required.

The facility owner/operator will maintain a log and/or records which will indicate the results of the per shift inspections, routine maintenance activities, and any repairs and/or corrective actions taken. The log and/or records are to be maintained on site for a period of five years.

Monitoring Frequency: PER SHIFT

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 2-41: Compliance Demonstration

Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.292(a), NSPS Subpart CC

Item 2-41.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 2-41.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emissions standard for glass melting furnaces which fire gaseous fuels, liquid fuels, or a combination of both. Particulate matter emissions from glass melting furnaces which fire a combination of fuels simultaneously are based upon the following equation: $STD = X[1.3(Y) + (Z)]$.

Where:

STD = particulate matter limit in g of particulate / kg of glass produced,

X = particulate matter limit while firing gaseous fuel,

Y = decimal fraction of liquid fuel heating value to total fuel heating value fired in the glass melting furnace,

Z = (1-Y).

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.5 grams particulate per kilogram of glass produced



Reference Test Method: METHOD 5

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

**Condition 1-4: Past Reduction By Over Control / Source Reduction
Effective between the dates of 08/22/2001 and Permit Expiration Date**

Applicable Federal Requirement:6 NYCRR 231-2.6

Item 1-4.1:

This Condition applies to Emission Unit: U-00001

Item 1-4.2:

Emission Unit ID Number(s):

U-00001

The facility has established 62.20 tpy of Oxides of Nitrogen (NO_x) emission reduction credits resulting from the tight rebuild of the glass furnace at the above referenced emission unit.



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

Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1), and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

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.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.



Condition 2-42: Contaminant List
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable State Requirement:ECL 19-0301

Item 2-42.1:

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

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

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

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

Condition 2-43: Unavoidable noncompliance and violations
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 201-1.4

Item 2-43.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain



reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 31: Emission Unit Definition
Effective between the dates of 12/12/2000 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 31.1(From Mod 2):

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

Emission Unit: U-00001

Emission Unit Description:

This emission unit contains all emission points and processes associated with the creation of fiber glass thread and pressed or blown borosilicate glass. Emission sources include the exempt raw material silos, two (2) 6 mmBtu/hr boilers, and the 27 mmBtu/hr glass furnace.

Building(s): MAIN

Item 31.2(From Mod 2):

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

Emission Unit: U-00002

Emission Unit Description:

This emission unit consists of the polypropylene thread production process. The thread is extruded, dried, and then added to the manufactured fiber glass for strengthening. Emission sources consist of two (2) polypropylene extruders, an exempt 0.45 mmBtu/hr natural gas fired Procedyne cleaning system, two (2) exempt polypropylene pellet storage silos, and a polypropylene thread curing oven heated by an exempt 3.2 mmBtu/hr natural gas fired Fulton boiler.

Building(s): MAIN



Condition 2-44: Air pollution prohibited
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 211.2

Item 2-44.1:

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

Condition 2-45: Compliance Demonstration
Effective between the dates of 10/27/2009 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 212.4 (a)

Item 2-45.1:

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

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 2-45.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

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

In order to meet the fluoride ambient air quality standards in the vicinity of the facility, the facility will be required to have 70% control efficiency of fluorides from the control equipment (dry scrubber followed by an electrostatic precipitator) associated with the furnace. The 70% control efficiency results in the emission rate for fluorides being equal to or less than 2.03 lbs/hr.

Compliance with the 70% control efficiency (and/or the emission rate of fluorides of equal to or less than 2.03 lbs/hr) will be determined by recording the caustic (NaOH) feed rate to the dry scrubber. Compliance testing has indicated an acceptable caustic feed rate range of 0.07 gallons per minute to 0.12 gallons per minute. A flow



meter will be used to maintain the caustic feed rate within the range noted above. If the caustic feed rate is outside the range indicated above, corrective action is required.

The facility owner/operator will record the caustic feed rate once per shift. If the caustic feed rate is outside of the range indicated above, the facility owner/operator will note why and what corrective actions were taken. The records are required to be maintained on site for a period of five years.

Parameter Monitored: SODIUM HYDROXIDE
Lower Permit Limit: 0.07 gallons per minute
Upper Permit Limit: 0.12 gallons per minute
Monitoring Frequency: PER SHIFT
Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED RANGE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

Condition 34: Emission Point Definition By Emission Unit
Effective between the dates of 12/12/2000 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 34.1(From Mod 2):

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

Emission Unit: U-00001

Emission Point: 00001

Height (ft.): 118 Diameter (in.): 24
NYTMN (km.): 4753.724 NYTME (km.): 567.233 Building: MAIN

Emission Point: 00002

Height (ft.): 50 Diameter (in.): 24
NYTMN (km.): 4753.724 NYTME (km.): 567.233 Building: MAIN

Item 34.2(From Mod 2):

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

Emission Unit: U-00002

Emission Point: 00004

Height (ft.): 40 Diameter (in.): 24
NYTMN (km.): 4753.724 NYTME (km.): 567.233 Building: MAIN

Emission Point: 00005

Height (ft.): 30 Diameter (in.): 6



NYTMN (km.): 4753.724 NYTME (km.): 567.233 Building: MAIN

Condition 35: Process Definition By Emission Unit
Effective between the dates of 12/12/2000 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 35.1(From Mod 2):

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

Emission Unit: U-00001

Process: MLT

Source Classification Code: 3-05-012-11

Process Description:

Raw materials are delivered to five silos (exempt) equipped with baghouses at the facility. The raw materials are conveyed, mixed, and melted in the facility's glass furnace. The glass furnace is heated by nine (9) 3 mmBtu/hr natural gas burners. The burners use supplied oxygen and natural gas. Melted material is then conveyed to the facility's formers which produce fiber glass thread and pressed or blown borosilicate glass. The glass is then sent to an oven, which is indirectly heated by two (2) 6 mmBtu/hr boilers, for curing.

Emissions from the furnace burners and melted raw materials are exhausted through EP - 00001, which is controlled using a sodium-alkali scrubber (PC003) and electrostatic precipitator (PC004).

Emissions from the curing oven are exhausted through EP - 00002.

Emission Source/Control: PC003 - Control
Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: PC004 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: CUR01 - Process
Design Capacity: 3,000 cubic feet per minute (standard conditions)

Emission Source/Control: FR001 - Process
Design Capacity: 27 million Btu per hour

Item 35.2(From Mod 2):

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

Emission Unit: U-00002

Process: PLY

Source Classification Code: 3-08-010-02

Process Description:

Raw polypropylene pellets are delivered to two (2) silos equipped with baghouses. Polypropylene pellets are conveyed to the extrusion process where they are melted



and mixed with binding agents. Melted polypropylene mixture is extruded into thread via two (2) die heads. The thread is then transferred to a curing oven, which is indirectly heated by one (1) 3.2 mmBtu/hr boiler.

Each extrusion head is equipped with a filter to prevent clogging or fouling of extruded thread. These filters are cleaned using a Procedyne thermal fluidized bed. The Procedyne unit melts and removes hardened polypropylene and is equipped with a 450,000 mmBtu/hr natural gas afterburner, which is used to prevent VOC and HAP emissions.

Emissions from the extruder die heads is exhausted through EP-00003.

Emissions from the polypropylene curing oven are exhausted through EP-00004.

Emissions from the Procedyne unit are exhausted through EP-00005.

Emission Source/Control: PP002 - Combustion

Emission Source/Control: CUR02 - Process

Design Capacity: 1,300 cubic feet per minute (standard conditions)

