



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 8-0704-00036/00041
Mod 0 Effective Date: 10/02/2012 Expiration Date: 10/01/2017
Mod 1 Effective Date: 08/21/2013 Expiration Date: 10/01/2017

Permit Issued To: ARDAGH GLASS INC
401 E JACKSON ST STE 2800
TAMPA, FL 33602

Contact: GREG DOWLER
ARDAGH GLASS INC
401 E JACKSON ST STE 2800
TAMPA, FL 33602
(813) 884-0000

Facility: ARDAGH GLASS INC
151 E MCCANNS BLVD
ELMIRA HEIGHTS, NY 14903

Contact: HELEN P REVELAS
ARDAGH GLASS INC
151 E MCCANN'S BLVD
ELMIRA, NY 14903
(607) 737-1933

Description:

This is a Department Initiated Modification of the current Title V Permit, which was renewed effective October 2, 2012. The purpose of the modification is to include a natural gas fired boiler in a new emission unit U 0-00006, which was inadvertently omitted from the renewed Permit.

Revisions of 6 NYCRR Part 227-2 Reasonably Available Control Technology (RACT) for Major Facilities of Oxides of Nitrogen (NO_x), effective July 8, 2010, included a change in the definition of small boiler making a previously exempt 15.1 million BTU per hour boiler subject to the regulation. Additional changes in regulation citations have also occurred, due to revisions of 6 NYCRR Part 201 effective February 22, 2013.

Operations authorized by this Permit are unchanged from those authorized by the Permit renewed October 2, 2012.



Ardagh Glass Inc manufactures glass containers for beverage and food packaging, and is subject to Part 201-6 (Title V) regulations due to potential emissions of NO_x, SO₂, particulates, and PM-10 in excess of 250 tons per year each.

Emission Unit 0-00001 includes 2 glass melting furnaces, 6 glass container forming lines, and 6 vapor deposition coating lines.

Emission Unit 0-00002 includes 6 emission points exhausting raw material unloading, weighing, transfer and mixing operations, and 5 emission sources representing fugitive emissions from glass cullet storage piles.

Emission Unit 0-00003 includes 6 inkjet printers to code the finished containers.

Emission Unit 0-00004 includes processing and handling for recycling cardboard packaging materials.

Emission Unit 0-00005 includes crushing operations for glass cullet.

Emission Unit 0-00006 is the boiler indicated above.

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

Permit Administrator: SCOTT SHEELEY
 NYS DEC
 6274 E AVON-LIMA RD
 AVON, NY 14414

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

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



DEC GENERAL CONDITIONS

****** General Provisions ******

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:

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



submitted prior to actual transfer of ownership.

Condition 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

New York State Department of Environmental Conservation

Permit ID: 8-0704-00036/00041

Facility DEC ID: 8070400036



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: ARDAGH GLASS INC
401 E JACKSON ST STE 2800
TAMPA, FL 33602

Facility: ARDAGH GLASS INC
151 E MCCANNS BLVD
ELMIRA HEIGHTS, NY 14903

Authorized Activity By Standard Industrial Classification Code:
3221 - GLASS CONTAINERS
9999 - NONCLASSIFIABLE ESTABLISHMENTS

Mod 0 Permit Effective Date: 10/02/2012

Permit Expiration Date: 10/01/2017

Mod 1 Permit Effective Date: 08/21/2013

Permit Expiration Date: 10/01/2017



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
 - 1-1 6 NYCRR 201-6.4 (a) (7): Fees
 - 1-2 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance
Monitoring
 - 1-3 6 NYCRR 201-6.4 (c): Compliance Certification
 - 1-4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and
Measurement
 - 1-5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
 - 1-6 6 NYCRR 201-6.4 (e): Compliance Certification
 - 7 6 NYCRR 202-2.1: Compliance Certification
 - 8 6 NYCRR 202-2.5: Recordkeeping requirements
 - 9 6 NYCRR 215.2: Open Fires - Prohibitions
 - 10 6 NYCRR 200.7: Maintenance of Equipment
 - 1-7 6 NYCRR 201-1.7: Recycling and Salvage
 - 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected
Contaminants to the air
 - 1-8 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
 - 1-9 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
 - 1-10 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
 - 1-11 6 NYCRR 201-6.4 (a) (8): Right to Inspect
 - 1-12 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
 - 19 6 NYCRR 202-1.1: Required Emissions Tests
 - 20 40 CFR Part 68: Accidental release provisions.
 - 21 40CFR 82, Subpart F: Recycling and Emissions Reduction
 - 22 6 NYCRR Subpart 201-6: Emission Unit Definition
 - 1-13 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
 - 1-14 6 NYCRR 201-6.4 (f): Compliance Certification
 - 26 6 NYCRR 211.1: Air pollution prohibited
 - 27 6 NYCRR 212.6 (a): Compliance Certification
 - 28 6 NYCRR 225-1.2 (a) (2): Compliance Certification
 - 29 6 NYCRR 225-1.8 (a): Compliance Certification
 - 30 6 NYCRR Part 226: Compliance Certification
 - 31 40 CFR Part 98: Mandatory greenhouse gas reporting
- #### Emission Unit Level
- 32 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
 - 33 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=0-00001

- 34 6 NYCRR 212.11 (a): Sampling and Monitoring

EU=0-00001,Proc=O1A

- 35 6 NYCRR 212.9 (d): Compliance Certification

EU=0-00001,Proc=O1A,ES=10000

- 1-15 6 NYCRR 212.10 (a) (2): Compliance Certification



EU=0-00001,Proc=O1A,ES=20000

1-16 6 NYCRR 212.10 (a) (2): Compliance Certification

EU=0-00001,EP=00001,Proc=O1A,ES=10000

38 6 NYCRR 212.9 (b): Compliance Certification

EU=0-00001,EP=00002,Proc=O1A,ES=20000

39 6 NYCRR 212.9 (b): Compliance Certification

EU=0-00002,Proc=OO2

40 6 NYCRR 212.11 (a): Sampling and Monitoring

EU=0-00002,Proc=OO2,ES=24A00

1-17 6 NYCRR 212.4 (c): Compliance Certification

EU=0-00002,Proc=OO2,ES=25A00

1-18 6 NYCRR 212.4 (c): Compliance Certification

EU=0-00002,Proc=OO2,ES=27A00

1-19 6 NYCRR 212.4 (c): Compliance Certification

EU=0-00002,Proc=OO2,ES=4A000

1-20 6 NYCRR 212.4 (c): Compliance Certification

EU=0-00002,Proc=OO2,ES=9A000

1-21 6 NYCRR 212.4 (c): Compliance Certification

EU=0-00004

46 6 NYCRR 212.11 (a): Sampling and Monitoring

EU=0-00006,Proc=006,ES=BOIL1

1-22 6 NYCRR 227-1.3 (a): Compliance Certification

EU=0-00006,EP=B0001,Proc=006

1-23 6 NYCRR 227-2.4 (d): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

47 ECL 19-0301: Contaminant List

1-24 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities

Emission Unit Level

EU=0-00001,Proc=O1A,ES=10000

1-25 6 NYCRR 220-2.4 (b): Compliance Demonstration

EU=0-00001,Proc=O1A,ES=20000

1-26 6 NYCRR 220-2.4 (b): Compliance Demonstration

EU=0-00001,Proc=O1B

49 6 NYCRR 212.4 (a): Emissions from new emission sources and/or modifications



EU=0-00001,Proc=O1C

50 6 NYCRR 212.4 (a): Emissions from new emission sources and/or modifications

EU=0-00003,Proc=OO3,ES=U0004

51 6 NYCRR 212.4 (a): Emissions from new emission sources and/or modifications



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

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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

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

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

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

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

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

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



Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)

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

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

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

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

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

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

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

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

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

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

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



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

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

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

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

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

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

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

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



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

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

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

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

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

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

Item L: Permit Exclusion - ECL 19-0305

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



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

Item M: Federally Enforceable Requirements - 40 CFR 70.6 (b)

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

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

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

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 10/02/2012 and 10/01/2017

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:

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

Condition 1-1: Fees
Effective between the dates of 08/21/2013 and 10/01/2017

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

Item 1-1.1:

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

Condition 1-2: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 08/21/2013 and 10/01/2017

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



Item 1-2.1:

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

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

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

Condition 1-3: Compliance Certification
Effective between the dates of 08/21/2013 and 10/01/2017

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

Item 1-3.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-3.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or



requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Stationary Sources in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.

The initial report is due 07/30/2013.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 1-4: Records of Monitoring, Sampling, and Measurement Effective between the dates of 08/21/2013 and 10/01/2017

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

Item 1-4.1:

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

Condition 1-5: Compliance Certification



Effective between the dates of 08/21/2013 and 10/01/2017

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

Item 1-5.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.



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

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

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

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

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.



All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 1-6: Compliance Certification
Effective between the dates of 08/21/2013 and 10/01/2017

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

Item 1-6.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

- ii. The responsible official must include in the annual certification report all terms and conditions contained in

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this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

NYSDEC Region 8 Headquarters
6274 East Avon-Lima Road
Avon, NY 14414-9519

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2013.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 10/02/2012 and 10/01/2017



Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

**Condition 8: Recordkeeping requirements
Effective between the dates of 10/02/2012 and 10/01/2017**

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

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

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

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

**Condition 9: Open Fires - Prohibitions
Effective between the dates of 10/02/2012 and 10/01/2017**

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

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

Item 9.2

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.



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

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

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

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

**Condition 10: Maintenance of Equipment
Effective between the dates of 10/02/2012 and 10/01/2017**

Applicable Federal Requirement: 6 NYCRR 200.7

Item 10.1:

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of

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maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

Condition 1-7: Recycling and Salvage
Effective between the dates of 08/21/2013 and 10/01/2017

Applicable Federal Requirement:6 NYCRR 201-1.7

Replaces Condition(s) 11

Item 1-7.1:

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

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 10/02/2012 and 10/01/2017

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

No person shall unnecessarily remove, handle or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Condition 1-8: Exempt Sources - Proof of Eligibility
Effective between the dates of 08/21/2013 and 10/01/2017

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

Item 1-8.1:

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

Condition 1-9: Trivial Sources - Proof of Eligibility
Effective between the dates of 08/21/2013 and 10/01/2017

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

Item 1-9.1:

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

Condition 1-10: Requirement to Provide Information
Effective between the dates of 08/21/2013 and 10/01/2017



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

Item 1-10.1:

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

Condition 1-11: Right to Inspect

Effective between the dates of 08/21/2013 and 10/01/2017

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

Item 1-11.1:

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 1-12: Off Permit Changes

Effective between the dates of 08/21/2013 and 10/01/2017

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

Item 1-12.1:

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

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operator, and the department shall attach each such notice to their copy of the relevant permit.

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

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

Condition 19: Required Emissions Tests
Effective between the dates of 10/02/2012 and 10/01/2017

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 19.1:

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

Condition 20: Accidental release provisions.
Effective between the dates of 10/02/2012 and 10/01/2017

Applicable Federal Requirement:40 CFR Part 68

Item 20.1:

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

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

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

Condition 21: Recycling and Emissions Reduction
Effective between the dates of 10/02/2012 and 10/01/2017

Applicable Federal Requirement:40CFR 82, Subpart F



Item 21.1:

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

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 22: Emission Unit Definition

Effective between the dates of 10/02/2012 and 10/01/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 22.1(From Mod 1):

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

Emission Unit: 0-00001

Emission Unit Description:

This unit consists of two glass melting furnaces, identified as ES 10000 and ES 20000, as well as six associated hot end coating operations (ES HEC01 and ES HEC02) and six associated glass forming lines (ES GFM01 and ES GFM02). This unit has two associated emission points identified as 00001 and 00002, and two potential fugitive emission points identified as R1VNT and R2VNT. The two fugitive emission points are large Robinson roof top ventilators above the glass forming lines. There are three processes for this unit identified as 01a, 01b, and 01c, which are described in the process description section. Processes 01b and 01c will be operated concurrently with process 01a. The glass melting furnaces operate using natural gas as a fuel source.

Building(s): 1M

Item 22.2(From Mod 1):

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

Emission Unit: 0-00002

Emission Unit Description:

This unit is raw material handling sources. There are two associated processes identified as 002 (raw material handling) and 02B (indoor and outdoor raw material fugitive sources). Process 002 consists of six emission points identified as 00024, 00025, 00026, 00027, 00004, 00028 and ESRN9; six emission sources identified as NSE24, NSE25, NSE26, NSE27, 40000, NRSE9, NSE28; and six associated control devices identified as 24A00, 25A00, 27A00, 4A000, and 9A000. Process 02B consists of five emission sources identified as U0019 (flint cullet storage pile), U0020 (flint cullet storage piles), U0021 (amber

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cullet storage pile), U0022 (amber cullet storage pile), and 00041 (indoor and outdoor fugitive sources).

Building(s): BHS

Item 22.3(From Mod 1):

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

Emission Unit: 0-00006

Emission Unit Description:

This emission unit consists of a natural gas fired boiler (Boiler #6) with a maximum rated capacity of 15.1 MMBtu/Hr, originally installed in 1945, but taken out of service around 1997 and returned to service on 10/04/2012 with burner installed from deactivated Boiler#5.

Building(s): 1M

Item 22.4(From Mod 0):

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

Emission Unit: 0-00003

Emission Unit Description:

This emission unit consists of one emission source identified as U0004, which includes six video inkjet printers. There is no associated emission point. The associated process is identified as 003 and is described in the process description section.

Building(s): 1M

Item 22.5(From Mod 0):

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

Emission Unit: 0-00004

Emission Unit Description:

This unit consists of a cardboard shredder/baler, identified as ES 80000, with associated control device identified as ES 8A000, and emission point identified as EP 00008. The associated process is identified as 008 and is described in the process description section.

Building(s): 9W

Item 22.6(From Mod 0):

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

Emission Unit: 0-00005

Emission Unit Description:

This unit consists of two cullet crushers, which is identified as ES U0040. There are no physical emission points or associated control devices. There is one process which is identified as 005 and is described in the process description section.

Building(s): OUTSIDE



Condition 1-13: Progress Reports Due Semiannually
Effective between the dates of 08/21/2013 and 10/01/2017

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

Item 1-13.1:

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

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

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

Condition 1-14: Compliance Certification
Effective between the dates of 08/21/2013 and 10/01/2017

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

Item 1-14.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-14.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operational Flexibility Plan

I. Protocol Objective

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

II. Protocol

A. Criteria

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

a. All underlying federal and state requirements with which the new or changed emission source must comply must



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

b. Any new or changed emission source shall not be part of a source project that results in a significant net emissions increase that exceeds the New Source Review (NSR) thresholds identified in 6 NYCRR Part 231-2 or 40 CFR 52.21.

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

B. Notification Requirements for Changes Reviewed under the Protocol

1. The facility shall notify the Department in writing of the proposed change.

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

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

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

c. Identification and description of emissions control technology;

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

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

ii. Submit documentation of major NSR program



non-applicability for NYSDEC review and approval.

iii. Identify and evaluate the applicability of all regulations likely to be triggered by the new or changed emission source.

iv. Propose any operating and record keeping procedures necessary to ensure compliance.

e. Any other relevant information used for the evaluation of the proposed project or emission source under the Protocol.

C. Review and Approval of Changes

1. The Department shall respond to the permittee in writing with a determination within 15 days of receipt of the notification of the permittee.

2. The Department may require a permit modification, in order to impose new applicable requirements or additional permit conditions if it determines that changes proposed pursuant to notification do not meet the criteria under II. A above or that the changes may have a significant air quality impact or be otherwise potentially significant under SEQRA (6 NYCRR Part 617).

3. The Department may require that the permittee not undertake the proposed change until it completes a more detailed review of the proposed change, which may include potential air quality impacts and/or applicable requirements. The Department's determination shall include a listing of information required for further review, if necessary.

D. Additional Compliance Obligations for Changes Made Under this Protocol

1. Upon commencement of the change, the facility shall comply with all applicable requirements and permit conditions, including any amended or proposed in accordance with II.A.1.a above.

2. The facility shall provide with the semi-annual monitoring report, a summary of the changes made in accordance with this protocol and a statement of the compliance status of each. Changes reported should include all those made during the corresponding period and any earlier changes that have not yet been incorporated into the permit.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 26: Air pollution prohibited
Effective between the dates of 10/02/2012 and 10/01/2017

Applicable Federal Requirement:6 NYCRR 211.1

Item 26.1:

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 27: Compliance Certification
Effective between the dates of 10/02/2012 and 10/01/2017

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

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If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with section 212.6(a) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify The Department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the Department and the semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these instances.

Monitoring Frequency: DAILY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 28: Compliance Certification

Effective between the dates of 10/02/2012 and 10/01/2017

Applicable Federal Requirement: 6 NYCRR 225-1.2 (a) (2)

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall sell, offer for sale, purchase or use any distillate oil which has a sulfur content greater than the limit presented below. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.5 percent by weight

Monitoring Frequency: PER DELIVERY

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Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 29: Compliance Certification
Effective between the dates of 10/02/2012 and 10/01/2017

Applicable Federal Requirement:6 NYCRR 225-1.8 (a)

Item 29.1:

The Compliance Certification activity will be performed for the Facility.

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall retain fuel oil supplier certifications for each shipment of oil received. Such certifications shall contain, as a minimum: supplier name, date of shipment, quantity shipped, heating value of the oil, oil sulfur content, and the method used to determine the sulfur content. Such certifications shall be available for inspection by, or submittal to, NYSDEC upon request.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 30: Compliance Certification
Effective between the dates of 10/02/2012 and 10/01/2017

Applicable Federal Requirement:6 NYCRR Part 226

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

6NYCRR 226. Requirements for Open-top Vapor Degreasers



(For Title V)

A. Equipment Specifications

The following types of control equipment must be used when conducting open-top vapor degreasing, solvent metal cleaning:

- 1) A cover which can be operated easily without disturbing the vapor zone.
- (2) Safety switches which shut off the sump heat if the condenser malfunctions and shall shut off the pump if the vapor level drops excessively
- (3) One of the following:
 - (i) a freeboard ratio that is greater than or equal to 0.75, and a powered or mechanically assisted cover if the top opening is greater than 10 square feet;
 - (ii) a refrigerated chiller; or
 - (iii) local exhaust ventilation and a carbon adsorption unit, or an equivalent system, for collection of VOCs.

B. Operating Requirements:

- (1) Minimize solvent carry-out by the following measures:
 - (i) rack parts to allow full drainage;
 - (ii) move parts in and out of degreaser tank at less than 11 ft/min;
 - (iii) degrease the work load in the vapor zone at least 30 seconds or until condensation ceases;
 - (iv) tip out any pools of solvent before removal; and
 - (v) dry parts for at least 15 seconds before removal.
- (2) Work loads shall not occupy more than half the open-top area of the degreaser tank.
- (3) Spray only below the vapor level.

C. General Requirements:

A Person conducting solvent metal cleaning must:

- (1) Store solvent in covered containers and transfer or dispose of waste solvent in such a manner that less than 20 percent of the waste solvent (by weight) can evaporate into the atmosphere.
- (2) Maintain equipment to minimize leaks and fugitive emissions.
- (3) Display at the equipment location a conspicuous



summary of proper operating procedures consistent with minimizing emissions of VOCs.

(4) Keep the degreaser cover closed except when:

(a) parts are being placed into or being removed from the degreaser;

(b) adding or removing solvent from the degreaser;

or

(c) no solvent is in the degreaser.

(5) Create and retain a record of solvent consumption for five years. This record must be made available to the Department upon request.

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

(7) Include in the semiannual monitoring report and annual compliance certifications (required of all permittees subject to Title V) the solvent consumption required under (5) above, as well as a statement that the permittee's obligations under items (1) through (6) above have been met for the period of the report or certification.. This statement must be based on the permittees observations on a daily basis that the operation of the solvent metal cleaning process has met the above criteria. The permittee must maintain a log of instances when the above have not been met, and such statement must summarize these instances.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

**Condition 31: Mandatory greenhouse gas reporting
Effective between the dates of 10/02/2012 and 10/01/2017**

Applicable Federal Requirement:40 CFR Part 98

Item 31.1:

40 CFR Part 98 establishes mandatory greenhouse gas (GHG) reporting requirements for owners and operators of certain facilities that directly emit GHG as well as for certain fossil fuel suppliers and industrial GHG suppliers. For suppliers, the GHGs reported are the quantity that would be emitted from combustion or use of the products supplied.

Owners and operators of facilities and suppliers that are subject to 40 CFR Part 98 must follow the requirements of subpart A and all applicable subparts of 40 CFR Part 98. If a conflict exists between a provision in subpart A and any other applicable subpart, the requirements of the applicable subpart shall take precedence.



**** Emission Unit Level ****

Condition 32: Emission Point Definition By Emission Unit
Effective between the dates of 10/02/2012 and 10/01/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 32.1(From Mod 1):

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

Emission Unit: 0-00006

Emission Point: B0001

Height (ft.): 75 Diameter (in.): 96
NYTMN (km.): 4664.521 NYTME (km.): 349.63 Building: 1M

Item 32.2(From Mod 0):

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

Emission Unit: 0-00001

Emission Point: 00001

Height (ft.): 143 Diameter (in.): 72
NYTMN (km.): 4664.722 NYTME (km.): 349.682 Building: 1M

Emission Point: 00002

Height (ft.): 125 Diameter (in.): 77
NYTMN (km.): 4664.697 NYTME (km.): 349.566 Building: 1M

Emission Point: R1VNT

Height (ft.): 83 Length (in.): 1200 Width (in.): 126
NYTMN (km.): 4664.521 NYTME (km.): 349.63 Building: 1M

Emission Point: R2VNT

Height (ft.): 83 Length (in.): 1200 Width (in.): 126
NYTMN (km.): 4664.521 NYTME (km.): 349.63 Building: 1M

Item 32.3(From Mod 0):

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

Emission Unit: 0-00002

Emission Point: 00004

Height (ft.): 71 Diameter (in.): 31
NYTMN (km.): 4664.521 NYTME (km.): 349.631 Building: BHS

Emission Point: 00024

Height (ft.): 95 Diameter (in.): 6
NYTMN (km.): 4664.521 NYTME (km.): 349.631 Building: BHS

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Emission Point: 00025
Height (ft.): 95 Diameter (in.): 6
NYTMN (km.): 4664.521 NYTME (km.): 349.631 Building: BHS

Emission Point: 00026
Height (ft.): 95 Diameter (in.): 5
NYTMN (km.): 4664.521 NYTME (km.): 349.631 Building: BHS

Emission Point: 00027
Height (ft.): 10 Diameter (in.): 6
NYTMN (km.): 4664.521 NYTME (km.): 349.631 Building: BHS

Emission Point: ESRN9
Height (ft.): 56 Diameter (in.): 15
NYTMN (km.): 4664.521 NYTME (km.): 349.631 Building: BHS

Item 32.4(From Mod 0):

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

Emission Unit: 0-00004

Emission Point: 00008
Height (ft.): 30 Diameter (in.): 59
NYTMN (km.): 4664.521 NYTME (km.): 349.631 Building: 9W

Condition 33: Process Definition By Emission Unit

Effective between the dates of 10/02/2012 and 10/01/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 33.1(From Mod 1):

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

Emission Unit: 0-00001
Process: O1A Source Classification Code: 3-05-014-02
Process Description:

Glass melting. This process is the melting of raw materials to produce glass. This is a continuous melting process and is fueled by natural gas. Under this process, NOx emissions are controlled by air staging.

Emission Source/Control: 10000 - Process
Design Capacity: 400 tons per day

Emission Source/Control: 20000 - Process
Design Capacity: 396 tons per day

Item 33.2(From Mod 1):

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

Emission Unit: 0-00002
Process: OO2 Source Classification Code: 3-05-014-10

New York State Department of Environmental Conservation

Permit ID: 8-0704-00036/00041

Facility DEC ID: 8070400036



Process Description:

This process is the unloading, weighing, transferring, mixing, etc., of raw materials used in the glass making process. These raw materials include, but are not limited to, soda ash, sand, limestone, and cullet.

Emission Source/Control: 24A00 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 25A00 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 27A00 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 28A00 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 4A000 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 9A000 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 40000 - Process

Emission Source/Control: NRSE9 - Process

Emission Source/Control: NSE24 - Process

Emission Source/Control: NSE25 - Process

Emission Source/Control: NSE26 - Process

Emission Source/Control: NSE27 - Process

Emission Source/Control: NSE28 - Process

Item 33.3(From Mod 1):

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

Emission Unit: 0-00006

Process: 006

Source Classification Code: 1-02-006-02

Process Description:

This process consists of a 15.1 MMBtu/Hr boiler (boiler #6) fueled by natural gas. The unit was returned to service on 10/04/2012 from 15 year period of inactivity.

Emission Source/Control: BOIL1 - Combustion

Design Capacity: 15.1 million Btu per hour

Item 33.4(From Mod 0):



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

Emission Unit: 0-00001
Process: O1B Source Classification Code: 3-05-014-06
Process Description:
Glass forming. This process shears continuous streams of molten glass into precise increments of hot, viscous glass called gobs. These gobs are gravity-fed to forming machines which form containers by shaping the glass using mechanical pressing and air blowing.

Emission Source/Control: GFM01 - Process

Emission Source/Control: GFM02 - Process

Item 33.5(From Mod 0):

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

Emission Unit: 0-00001
Process: O1C Source Classification Code: 3-05-014-06
Process Description:
Hot End Coating. In this process glass containers pass through a hot end vapor deposition hood, wherein a tin-based coating is applied as a surface preparation prior to the cold end coating, and annealing lehrs (which are exempt pursuant to 6 NYCRR 201-3 .2(c)1).

Emission Source/Control: HEC01 - Process

Emission Source/Control: HEC02 - Process

Item 33.6(From Mod 0):

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

Emission Unit: 0-00002
Process: O2B Source Classification Code: 3-05-014-10
Process Description:
This process represents cullet storage and raw material handling (ie: transferring, weighing, mixing, conveying, etc...) Which contribute to fugitive emissions of such materials.

Emission Source/Control: 00041 - Process

Emission Source/Control: U0019 - Process

Emission Source/Control: U0020 - Process

Emission Source/Control: U0021 - Process

Emission Source/Control: U0022 - Process



Item 33.7(From Mod 0):

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

Emission Unit: 0-00003
Process: OO3 Source Classification Code: 4-02-999-95
Process Description:
This process is the printing of the final product (glass containers) with boolean dates and codes, specific to the customer, through the use of videojet printers.

Emission Source/Control: U0004 - Process

Item 33.8(From Mod 0):

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

Emission Unit: 0-00004
Process: OO8 Source Classification Code: 3-05-014-11
Process Description:
This process is the shredding and baling of used cartons and other corrugated, scrap and cardboard. Cyclone is part of the conveyance operation.

Emission Source/Control: 8A000 - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: 80000 - Process

Item 33.9(From Mod 0):

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

Emission Unit: 0-00005
Process: OO5 Source Classification Code: 3-05-014-13
Process Description:
This process is the crushing of various colors and types of cullet.

Emission Source/Control: U0040 - Process

Condition 34: Sampling and Monitoring
Effective between the dates of 10/02/2012 and 10/01/2017

Applicable Federal Requirement:6 NYCRR 212.11 (a)

Item 34.1:

This Condition applies to Emission Unit: 0-00001

Item 34.2:

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 35: Compliance Certification
Effective between the dates of 10/02/2012 and 10/01/2017

Applicable Federal Requirement:6 NYCRR 212.9 (d)

Item 35.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00001
Process: O1A

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

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance with particulate matter limits for each furnace shall be determined by stack testing to be conducted within 180 days of permit issuance and every five years thereafter. Compliance shall be based on limits calculated from Part 212.9 Table 4 equation using the process weight at the time of testing.

All stack tests shall be performed in accordance with the USEPA reference method for particulate matter as set forth in 40 CFR 60 and 6 NYCRR Part 202.

Reference Test Method: METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 1-15: Compliance Certification
Effective between the dates of 08/21/2013 and 10/01/2017

Applicable Federal Requirement:6 NYCRR 212.10 (a) (2)

Item 1-15.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00001
Process: O1A Emission Source: 10000

Regulated Contaminant(s):

New York State Department of Environmental Conservation

Permit ID: 8-0704-00036/00041

Facility DEC ID: 8070400036



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

Item 1-15.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to maintain compliance with NO_x RACT requirements, Ardagh shall use air staging NO_x reduction technology and optimize combustion controls during the operation of furnace #1. NO_x emissions from furnace #1 (ep 00001) are limited to 4.49 lbs NO_x/ton of glass produced. Stack tests shall be conducted once per permit term to verify compliance with this limit.

All stack tests shall be performed in accordance with the USEPA reference method for NO_x as set forth in 40 CFR 60 and 6 NYCRR Part 202. Each stack test shall measure emissions of NO_x and O₂ in the exhaust stacks. This compliance certification will not be applicable when the facility installs a CEMS as required by 6NYCRR 220-2.

Upper Permit Limit: 4.49 pounds per ton

Reference Test Method: METHOD 7E

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 1-16: Compliance Certification

Effective between the dates of 08/21/2013 and 10/01/2017

Applicable Federal Requirement: 6 NYCRR 212.10 (a) (2)

Item 1-16.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00001

Process: O1A

Emission Source: 20000

Regulated Contaminant(s):

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

Item 1-16.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to maintain compliance with NO_x RACT

New York State Department of Environmental Conservation

Permit ID: 8-0704-00036/00041

Facility DEC ID: 8070400036



requirements, Ardagh shall use air staging NOx reduction technology and optimize combustion controls during the operation of furnace #1. NOx emissions from furnace #1 (ep 00001) are limited to 4.49 lbs NOx/ton of glass produced. Stack tests shall be conducted once per permit term to verify compliance with this limit.

All stack tests shall be performed in accordance with the USEPA reference method for NOx as set forth in 40 CFR 60 and 6 NYCRR Part 202. Each stack test shall measure emissions of NOx and O2 in the exhaust stacks. This compliance certification will not be applicable when the facility installs a CEMS as required by 6NYCRR 220-2.

Upper Permit Limit: 5.00 pounds per ton

Reference Test Method: Method 7E

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 38: Compliance Certification

Effective between the dates of 10/02/2012 and 10/01/2017

Applicable Federal Requirement:6 NYCRR 212.9 (b)

Item 38.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00001

Emission Point: 00001

Process: O1A

Emission Source: 10000

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emissions of Sulfur Dioxide for this emission source are assigned an environmental rating of "B", beginning on the date of Title V permit issuance. As such, this source is subject to control requirements of 6 NYCRR Part 212.9(b), Table 2.

Where a source owner can demonstrate to the satisfaction of the Commissioner that he will apply Best Available Control Technology (BACT), the Commissioner may specify a

New York State Department of Environmental Conservation

Permit ID: 8-0704-00036/00041

Facility DEC ID: 8070400036



less restrictive permissible emission rate, emission standard or degree of air cleaning for such source than required under this Part provided that the less restrictive requirement is equivalent to that which can be achieved through the application of BACT.

On August 28, 2001 a BACT determination of no additional control for SO₂ for the glass melting furnaces was made.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 39: Compliance Certification
Effective between the dates of 10/02/2012 and 10/01/2017

Applicable Federal Requirement: 6 NYCRR 212.9 (b)

Item 39.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00001

Emission Point: 00002

Process: O1A

Emission Source: 20000

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emissions of Sulfur Dioxide for this emission source are assigned an environmental rating of "B", beginning on the date of Title V permit issuance. As such, this source is subject to control requirements of 6 NYCRR Part 212.9(b), Table 2.

Where a source owner can demonstrate to the satisfaction of the Commissioner that he will apply Best Available Control Technology (BACT), the Commissioner may specify a less restrictive permissible emission rate, emission standard or degree of air cleaning for such source than required under this Part provided that the less restrictive requirement is equivalent to that which can be achieved through the application of BACT.

On August 28, 2001 a BACT determination of no additional control for SO₂ for the glass melting furnaces was made.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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Facility DEC ID: 8070400036



Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 40: Sampling and Monitoring
Effective between the dates of 10/02/2012 and 10/01/2017

Applicable Federal Requirement:6 NYCRR 212.11 (a)

Item 40.1:

This Condition applies to Emission Unit: 0-00002
Process: OO2

Item 40.2:

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 1-17: Compliance Certification
Effective between the dates of 08/21/2013 and 10/01/2017

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 1-17.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00002
Process: OO2 Emission Source: 24A00

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

Item 1-17.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

This process is the shredding. Ardagh will maintain the dust collector identified as ES 24A00 in accordance with the manufacturers' specifications. The pressure drop across the bags shall be maintained between 1.0-3.9 inches of water. Immediate corrective action should be taken if the pressure drop falls outside of this operating range or deviates significantly from the expected values. Pressure drop shall be monitored and recorded weekly during a material transfer. Records are to be initialed by the operator, kept on site, and made available for inspection by the Department.

Manufacturer Name/Model Number: FlexKleen/84 BVS-9
Parameter Monitored: PRESSURE CHANGE

New York State Department of Environmental Conservation

Permit ID: 8-0704-00036/00041

Facility DEC ID: 8070400036



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

Condition 1-19: Compliance Certification
Effective between the dates of 08/21/2013 and 10/01/2017

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 1-19.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00002

Process: OO2

Emission Source: 27A00

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-19.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Ardagh will maintain the dust collector identified as ES 27A00 in accordance with the manufacturers' specifications. The pressure drop across the bags shall be maintained between 1.0-3.9 inches water. Immediate corrective action should be taken if the pressure drop falls outside of this operating range or deviates significantly from the expected values. Pressure drop shall be monitored and recorded weekly during a material transfer. Records are to be initialed by the operator, kept on site, and made available for inspection by the Department.

Manufacturer Name/Model Number: Flex-Kleen/84-BVS-16

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 1.0 inches of water

Upper Permit Limit: 3.9 inches of water

Monitoring Frequency: WEEKLY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 1-20: Compliance Certification
Effective between the dates of 08/21/2013 and 10/01/2017

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 1-20.1:

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The Compliance Certification activity will be performed for:

Emission Unit: 0-00002

Process: OO2

Emission Source: 4A000

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-20.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Ardagh will maintain the dust collector identified as ES 4A000 in accordance with the manufacturers' specifications. The pressure drop across the bags shall be maintained between 4.0-10.0 inches water. Immediate corrective action should be taken if the pressure drop falls outside of this operating range or deviates significantly from the expected values. Pressure drop shall be monitored and recorded weekly during a material transfer. Records are to be initialed by the operator, kept on site, and made available for inspection by the Department.

Manufacturer Name/Model Number: Carter Day Dust Filter

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 4.0 inches of water

Upper Permit Limit: 10.0 inches of water

Monitoring Frequency: WEEKLY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 1-21: Compliance Certification

Effective between the dates of 08/21/2013 and 10/01/2017

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 1-21.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00002

Process: OO2

Emission Source: 9A000

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

New York State Department of Environmental Conservation

Permit ID: 8-0704-00036/00041

Facility DEC ID: 8070400036



Item 1-21.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Ardagh will maintain the dust collector identified as ES 9A000 in accordance with the manufacturers' specifications. The pressure drop across the bags shall be maintained between 4.0-10.0 inches water. Immediate corrective action should be taken if the pressure drop falls outside of this operating range or deviates significantly from the expected values. Pressure drop shall be monitored and recorded weekly during a material transfer. Records are to be initialed by the operator, kept on site, and made available for inspection by the Department

Manufacturer Name/Model Number: FlexKleen 84WRT-48

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 4.0 inches of water

Upper Permit Limit: 10.0 inches of water

Monitoring Frequency: WEEKLY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 46: Sampling and Monitoring
Effective between the dates of 10/02/2012 and 10/01/2017

Applicable Federal Requirement:6 NYCRR 212.11 (a)

Item 46.1:

This Condition applies to Emission Unit: 0-00004

Item 46.2:

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 1-22: Compliance Certification
Effective between the dates of 08/21/2013 and 10/01/2017

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

Item 1-22.1:

The Compliance Certification activity will be performed for:

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Facility DEC ID: 8070400036



Emission Unit: 0-00006

Process: 006

Emission Source: BOIL1

Item 1-22.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall operate the installation in such a way to emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test Method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 1-23: Compliance Certification

Effective between the dates of 08/21/2013 and 10/01/2017

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

Item 1-23.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00006

Emission Point: B0001

Process: 006

Regulated Contaminant(s):

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

Item 1-23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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



Monitoring Frequency: ANNUALLY
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS
The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 47: Contaminant List
Effective between the dates of 10/02/2012 and 10/01/2017

Applicable State Requirement:ECL 19-0301

Item 47.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 007446-09-5
Name: SULFUR DIOXIDE



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

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

CAS No: 0NY998-00-0
Name: VOC

Condition 1-24: Malfunctions and start-up/shutdown activities
Effective between the dates of 08/21/2013 and 10/01/2017

Applicable State Requirement:6 NYCRR 201-1.4

Replaces Condition(s) 48

Item 1-24.1:

- (a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.
- (b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.
- (c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.
- (d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.
- (e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.



**** Emission Unit Level ****

Condition 1-25: Compliance Demonstration
Effective between the dates of 08/21/2013 and 10/01/2017

Applicable State Requirement: 6 NYCRR 220-2.4 (b)

Item 1-25.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00001

Process: O1A

Emission Source: 10000

Regulated Contaminant(s):

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

Item 1-25.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Compliance with the established NO_x RACT emission limit(s) shall be demonstrated by measuring NO_x emissions with a Continuous Emissions Monitoring System (CEMS). The CEMS shall comply with the requirements of 6NYCRR 220-2.3(c) or with equivalent requirements approved by the department.

The CEMS shall be installed, calibrated, evaluated, operated, and maintained in accordance with the provisions of 40 CFR part 60, appendices A, B and F. Any approved equivalent CEMS requirements will be submitted by the department to the United States Environmental Protection Agency for approval as separate State Implementation Plan revisions.

NO_x emissions from furnace #1 are limited to 4.49 lbs NO_x/ton of glass produced.

Protocols, reports, summaries, schedules, and any other information required to be submitted to the department under provisions of Subpart 220-2 must be sent (in either hardcopy or electronically) as follows:

(1) one copy to the Division of Air Resources, New York State Department of Environmental Conservation, 625 Broadway, Albany, New York 12233; and

(2) one copy to the regional air pollution control engineer at New York State Department of Environmental Conservation, Region 8, 6274 East Avon Lima Road, Avon NY

New York State Department of Environmental Conservation

Permit ID: 8-0704-00036/00041

Facility DEC ID: 8070400036



14414

Manufacturer Name/Model Number: Currently anticipated- 'Smart CEM' per CMC Solutions, LLC

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 4.49 pounds per ton

Reference Test Method: 40 CFR part 60, App B, Performance Spec 2

Monitoring Frequency: CONTINUOUS

Averaging Method: 30 DAY ROLLING AVERAGE, ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 1-26: Compliance Demonstration
Effective between the dates of 08/21/2013 and 10/01/2017

Applicable State Requirement: 6 NYCRR 220-2.4 (b)

Item 1-26.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00001

Process: O1A

Emission Source: 20000

Regulated Contaminant(s):

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

Item 1-26.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Compliance with the established NOx RACT emission limit(s) shall be demonstrated by measuring NOx emissions with a Continuous Emissions Monitoring System (CEMS). The CEMS shall comply with the requirements of 6NYCRR 220-2.3(c) or with equivalent requirements approved by the department.

The CEMS shall be installed, calibrated, evaluated, operated, and maintained in accordance with the provisions of 40 CFR part 60, appendices A, B and F. Any approved equivalent CEMS requirements will be submitted by the department to the United States Environmental Protection Agency for approval as separate State Implementation Plan revisions.

NOx emissions from furnace #2 are limited to 5.00 lbs NOx/ton of glass produced.

Protocols, reports, summaries, schedules, and any other information required to be submitted to the department

New York State Department of Environmental Conservation

Permit ID: 8-0704-00036/00041

Facility DEC ID: 8070400036



under provisions of Subpart 220-2 must be sent (in either hardcopy or electronically) as follows:

(1) one copy to the Division of Air Resources, New York State Department of Environmental Conservation, 625 Broadway, Albany, New York 12233; and

(2) one copy to the regional air pollution control engineer at New York State Department of Environmental Conservation, Region 8, 6274 East Avon Lima Road, Avon NY 14414

Manufacturer Name/Model Number: Currently anticipated- 'Smart CEM' per CMC Solutions, LLC

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 5.00 pounds per ton

Reference Test Method: 40 CFR Part 60, App B, Performance Spec 2

Monitoring Frequency: CONTINUOUS

Averaging Method: 30 DAY ROLLING AVERAGE, ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

**Condition 49: Emissions from new emission sources and/or modifications
Effective between the dates of 10/02/2012 and 10/01/2017**

Applicable State Requirement:6 NYCRR 212.4 (a)

Item 49.1:

This Condition applies to Emission Unit: 0-00001

Process: O1B

Item 49.2:

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 50: Emissions from new emission sources and/or modifications
Effective between the dates of 10/02/2012 and 10/01/2017**

Applicable State Requirement:6 NYCRR 212.4 (a)

Item 50.1:

This Condition applies to Emission Unit: 0-00001

Process: O1C

Item 50.2:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as

New York State Department of Environmental Conservation

Permit ID: 8-0704-00036/00041

Facility DEC ID: 8070400036



determined from Table 2, Table 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the commissioner.

**Condition 51: Emissions from new emission sources and/or modifications
Effective between the dates of 10/02/2012 and 10/01/2017**

Applicable State Requirement:6 NYCRR 212.4 (a)

Item 51.1:

This Condition applies to Emission Unit: 0-00003

Process: OO3

Emission Source: U0004

Item 51.2:

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.

