



**PERMIT**  
**Under the Environmental Conservation Law (ECL)**

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 8-3205-00041/00013  
Effective Date: 07/18/2013 Expiration Date: 07/17/2018

Permit Issued To: GUARDIAN INDUSTRIES CORP  
2300 HARMON RD  
AUBURN HILLS, MI 48326-1714

Contact: MICHAEL W TURNBULL  
GUARDIAN INDUSTRIES CORP  
2300 HARMON RD  
AUBURN HILLS, MI 48326-1714

Facility: GUARDIAN GENEVA FLOAT GLASS FACILITY  
GENEVA INDUSTRIAL PARK  
GENEVA, NY 14456

Contact: JONATHAN K RIOCH  
GUARDIAN INDUSTRIES  
50 FORGE AVE  
GENEVA, NY 14456  
(315) 787-7000

Description:  
Initial Title V Facility Permit for Guardian Industries Corporation - Geneva Float Glass Facility.

This Permit includes a NO<sub>x</sub> limit increase from the original 842 ton per year limit effective in October 1998, to 855.9 tons per year, due to 13.9 tons of NO<sub>x</sub> from small combustion sources operational since facility start-up. These 74 sources include space heaters, two emergency diesel generators, small boilers, a flare, and water heaters. They are all natural gas, propane, or diesel fired, and would qualify for exempt or trivial status in the Title V Permit if the Facility was not subject to federal and state New Source Review.

This Permit maintains the previous limit on CO emissions of 99.76 tons per year, below the 40 CFR 52.21 PSD 100 ton per year threshold.

6 NYCRR Part 212 requires NO<sub>x</sub> and SO<sub>2</sub> controls on the furnace, but these emissions are also subject to more stringent state and federal NSR requirements, so this Permit only includes the Part 231 NSR and 40 CFR 52.21 PSD requirements.



Particulates from raw material and cullet handling operations are subject to a Part 212 standard, and are also subject to PSD BACT requirements. Both PSD and Part 212 requirements are met with baghouse controls on these sources.

The glass melting furnace is a Part 212 process, with a permissible particulate emission rate based on process weight, but a process emission source compliant with 40 CFR 60 NSPS satisfies Part 212 requirements. With the furnace subject to 40 CFR 60 Subpart CC particulate requirements, the more stringent NSPS limit applies. The NSPS opacity limit is also more stringent than Part 212 and requires a continuous opacity monitor for compliance assurance.

NO<sub>x</sub> control requirements have been revised to reflect the facility's modified use of 3R NO<sub>x</sub> reduction technology, in combination with low NO<sub>x</sub> burners and oxygen injection. With significant damage and premature failure of refractory materials in parts of the furnace linked to 3R NO<sub>x</sub> reduction, this Permit authorizes adjustments to operating procedures intended to minimize emissions and further damage to the furnace.

In accordance with the Consent Order issued after the first failure of the furnace regenerators, this Permit authorizes a NO<sub>x</sub> limit increase from 190 to 199 pounds per hour, and a change in the averaging times for NO<sub>x</sub> and CO measurements from a 24 hour basis to a 30 day rolling average. This is to allow for short term fluctuations to balance NO<sub>x</sub> controls with CO emissions and minimize furnace damage caused by 3R.

This Permit also includes a schedule for the installation of controls for particulate emissions with the planned furnace rebuild. The original 40 CFR 52.21 PSD particulate limit for the furnace based on the 40 CFR 60 Subpart CC NSPS did not include the PM-10 condensable fraction. Subsequent information indicated that 3R NO<sub>x</sub> control may have increased condensables and fine particulates. The addition of controls will reduce PM-10 emissions, and stack testing will establish a facility PM-10 limit including the condensable fraction.

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: 8-3205-00041/00013

Facility DEC ID: 8320500041



**Permit Under the Environmental Conservation Law (ECL)**

**ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: GUARDIAN INDUSTRIES CORP  
2300 HARMON RD  
AUBURN HILLS, MI 48326-1714

Facility: GUARDIAN GENEVA FLOAT GLASS FACILITY  
GENEVA INDUSTRIAL PARK  
GENEVA, NY 14456

Authorized Activity By Standard Industrial Classification Code:  
3211 - FLAT GLASS  
3231 - PRODUCTS OF PURCHASED GLASS

Permit Effective Date: 07/18/2013

Permit Expiration Date: 07/17/2018



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 15 6 NYCRR 201-6.4 (a) (7): Fees
- 17 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 18 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 19 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 21 6 NYCRR 201-6.4 (e): Compliance Certification
- 2 6 NYCRR 202-2.1: Compliance Certification
- 3 6 NYCRR 202-2.5: Recordkeeping requirements
- 4 6 NYCRR 215.2: Open Fires - Prohibitions
- 5 6 NYCRR 200.7: Maintenance of Equipment
- 6 6 NYCRR 201-1.7: Recycling and Salvage
- 7 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 8 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 9 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 14 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 23 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 10 6 NYCRR 202-1.1: Required Emissions Tests
- 11 40 CFR Part 68: Accidental release provisions.
- 12 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 13 6 NYCRR Subpart 201-6: Emission Unit Definition
- 20 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 22 6 NYCRR 201-6.4 (f): Compliance Certification
- 24 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- \*25 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 26 6 NYCRR 202-1.2: Notification
- 27 6 NYCRR 211.1: Air pollution prohibited
- 28 6 NYCRR Subpart 231-2: NOx Emission Reduction Credits
- 29 40CFR 52.21, Subpart A: Compliance Certification
- 30 40CFR 52.21(j), Subpart A: Compliance Certification
- 31 40CFR 63, Subpart ZZZZ: Applicability
- 32 40 CFR Part 98: Mandatory greenhouse gas reporting

#### Emission Unit Level

- 33 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 34 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

#### EU=U-BATCH,Proc=MAT

- 35 6 NYCRR 212.4 (c): Compliance Certification
- 36 6 NYCRR 212.6 (a): Compliance Certification

#### EU=U-BATCH,EP=BH001,Proc=MAT

- 37 40CFR 52.21(j), Subpart A: Compliance Certification



- EU=U-BATCH,EP=BH002,Proc=MAT**  
38 40CFR 52.21(j), Subpart A: Compliance Certification
- EU=U-BATCH,EP=BH003,Proc=MAT,ES=HIVAC**  
39 40CFR 52.21(j), Subpart A: Compliance Certification
- EU=U-BATCH,EP=C0001,Proc=MAT**  
40 40CFR 52.21(j), Subpart A: Compliance Certification
- EU=U-CLEAN,Proc=DEG**  
41 6 NYCRR Part 226: Compliance Certification
- EU=U-COMBU**  
42 6 NYCRR 227-1.3: Compliance Certification  
43 40CFR 52.21(j), Subpart A: Compliance Certification
- EU=U-CUTTG,Proc=CUT**  
44 6 NYCRR 212.10: Compliance Certification
- EU=U-FURNC,Proc=FUR**  
45 6 NYCRR 212.6 (a): Compliance Certification  
46 40CFR 52.21(j), Subpart A: Compliance Certification  
47 40CFR 52.21(j), Subpart A: Compliance Certification  
48 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40  
CFR 60 Subpart A  
49 40CFR 60.293, NSPS Subpart CC: Compliance Certification  
50 40CFR 60.293(c), NSPS Subpart CC: Compliance Certification  
51 40CFR 60.296(a), NSPS Subpart CC: Compliance Certification
- EU=U-FURNC,EP=F0001,Proc=FUR**  
52 6 NYCRR 231-2.5: Compliance Certification  
53 6 NYCRR 231-2.5: Compliance Certification
- EU=U-FURNC,EP=F0001,Proc=FUR,ES=F0001**  
54 6 NYCRR Subpart 201-6: Compliance Certification  
55 40CFR 52.21(j), Subpart A: Compliance Certification  
56 40CFR 52.21(j), Subpart A: Compliance Certification  
57 40CFR 52.21(j), Subpart A: Compliance Certification  
58 40CFR 52.21(j), Subpart A: Compliance Certification  
59 40CFR 52.21(j), Subpart A: Compliance Certification  
60 40CFR 60.293(b)(1), NSPS Subpart CC: Compliance Certification
- EU=U-POWER**  
61 40CFR 52.21(j), Subpart A: Compliance Certification
- EU=U-POWER,EP=G0001,Proc=GEN,ES=G0001**  
62 6 NYCRR 227-1.3: Compliance Certification  
63 40CFR 52.21(j), Subpart A: Compliance Certification
- EU=U-POWER,EP=G0002,Proc=GEN,ES=G0002**  
64 6 NYCRR 227-1.3: Compliance Certification  
65 40CFR 52.21(j), Subpart A: Compliance Certification



**EU=U-SCRUB,EP=L0001,Proc=SCR**

- 66 6 NYCRR 212.6 (a): Compliance Certification
- 67 40CFR 52.21(j), Subpart A: Compliance Certification
- 68 40CFR 52.21(j), Subpart A: Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 69 ECL 19-0301: Contaminant List
- 70 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 71 6 NYCRR 211.2: Visible Emissions Limited
- 72 6 NYCRR 221.2: Asbestos containing surface coatings prohibited

**Emission Unit Level**

**EU=U-FURNC**

- 73 6 NYCRR 220-2.4 (a): Compliance Demonstration
- 74 6 NYCRR 220-2.4 (b): Compliance Demonstration
- 75 6 NYCRR 220-2.4 (c): Compliance Demonstration
- 76 6 NYCRR 220-2.4 (d): Compliance Demonstration

**EU=U-FURNC,Proc=FUR**

- 77 6 NYCRR 212.5 (e): Sources meeting Federal requirements, satisfy Part 212 compliance for regulated contaminant

NOTE: \* preceding the condition number indicates capping.



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

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

**Item A: 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 07/18/2013 and 07/17/2018**

**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 15: Fees**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

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

**Item 15.1:**  
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 17: Recordkeeping and Reporting of Compliance Monitoring**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

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





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.

Monitoring Frequency: SEMI-ANNUALLY  
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 21: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

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

**Item 21.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 21.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
  - the identification of each term or condition of the permit that is the basis of the certification;
  - the compliance status;
  - whether compliance was continuous or intermittent;
  - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
  - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
  - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- 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.

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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 1/30/2014.  
Subsequent reports are due on the same day each year

**Condition 2: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:6 NYCRR 202-2.1**

**Item 2.1:**  
The Compliance Certification activity will be performed for the Facility.

**Item 2.2:**  
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 3: Recordkeeping requirements**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:6 NYCRR 202-2.5**

**Item 3.1:**

(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 4: Open Fires - Prohibitions**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:6 NYCRR 215.2**

**Item 4.1:**

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 4.2**

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 5: Maintenance of Equipment  
Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 5.1:**

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

**Condition 6: Recycling and Salvage  
Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:6 NYCRR 201-1.7**

**Item 6.1:**

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 7: Prohibition of Reintroduction of Collected Contaminants to**



the air

Effective between the dates of 07/18/2013 and 07/17/2018

Applicable Federal Requirement:6 NYCRR 201-1.8

**Item 7.1:**

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 8: Exempt Sources - Proof of Eligibility**

Effective between the dates of 07/18/2013 and 07/17/2018

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

**Item 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 9: Trivial Sources - Proof of Eligibility**

Effective between the dates of 07/18/2013 and 07/17/2018

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

**Item 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 14: Requirement to Provide Information**

Effective between the dates of 07/18/2013 and 07/17/2018

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

**Item 14.1:**

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 16: Right to Inspect**

Effective between the dates of 07/18/2013 and 07/17/2018



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

**Item 16.1:**

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 23: Off Permit Changes**

**Effective between the dates of 07/18/2013 and 07/17/2018**

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

**Item 23.1:**

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

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

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

**Condition 10: Required Emissions Tests**

**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:6 NYCRR 202-1.1**



**Item 10.1:**

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 11: Accidental release provisions.**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:40 CFR Part 68**

**Item 11.1:**

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 12: Recycling and Emissions Reduction**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:40CFR 82, Subpart F**

**Item 12.1:**

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 13: Emission Unit Definition**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

New York State Department of Environmental Conservation

Permit ID: 8-3205-00041/00013

Facility DEC ID: 8320500041



**Item 13.1:**

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

Emission Unit: U-BATCH

Emission Unit Description:

This emission unit includes all materials handling systems and associated dust collection equipment. The sources include: 5th floor batch house exhaust, 4th floor batch house exhaust, the cullet return system exhaust, and an industrial vacuum system.

Building(s): BATCH  
OUTSIDE  
TUNNEL

**Item 13.2:**

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

Emission Unit: U-CLEAN

Emission Unit Description:

This emission unit includes all on-site cold cleaning units subject to Part 226.

Building(s): MAIN

**Item 13.3:**

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

Emission Unit: U-COMBU

Emission Unit Description:

This emission unit includes miscellaneous combustion sources including, small space heaters, small diesel engine, small boilers, small flare, and water heaters. All units are either natural gas fired, propane fired, or diesel fired. Emissions from these sources, although otherwise exempt from permitting, are accounted for in facility-wide emission limits.

Building(s): BATCH  
MAIN  
OUTSIDE  
TOWER

**Item 13.4:**

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

Emission Unit: U-CUTTG

Emission Unit Description:

This emission unit includes the glass cutting areas on the float line and coating line in the fabrication area. VOC emissions result from cutting oil used in the glass cutting areas.

Building(s): MAIN

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**Item 13.5:**

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

Emission Unit: U-FURNC

Emission Unit Description:

This emission unit includes the glass melting regenerative furnace with a nominal capacity of 700 tons of glass per day. The furnace is natural gas fired, with propane as the back-up fuel.

Building(s): MAIN

**Item 13.6:**

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

Emission Unit: U-POWER

Emission Unit Description:

This emission unit includes the two emergency back-up diesel fired generators. Each generator is limited to 200 hours of operation per year.

Building(s): MAIN

**Item 13.7:**

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

Emission Unit: U-SCRUB

Emission Unit Description:

This emission unit includes the glass annealinglehr and associated SO<sub>2</sub> scrubber system.

Building(s): MAIN  
OUTSIDE

**Condition 20: Progress Reports Due Semiannually**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

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

**Item 20.1:**

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 22: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

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



**Item 22.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 22.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operational Flexibility Plan

Plan Objective

The objective of this Plan is to maximize operational flexibility by building capability into the Guardian Geneva Float Glass Facility Title V Permit for the facility to make administrative and/or minor changes following a pre-established protocol as allowed for in 6 NYCRR, Part 201-6.4(f).

This plan does not address those types of changes that would invoke the Part 201-6.6(d) "Significant Permit Modification". Rather, it addresses changes that qualify, as minor modifications pursuant to the criteria specified by 6 NYCRR, Part 201-6.6(c)(1)(i) and (ii):

(1) Do not violate any applicable requirement;

(2) Do not involve significant changes to existing monitoring, reporting, or record keeping requirements in the permit and are not otherwise a significant change in the permit.

Protocol for Changes

(1) Certain changes which meet the criteria under (i) - (iii) below may be conducted without prior approval of the Department and shall not require modification of the permit. The facility owner and/or operator must however maintain records of the date and description of such changes and make such records available for review by Department representatives upon request.

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

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

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



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

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

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

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

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

#### Reporting

On an annual basis, the facility must submit a summary of all changes made under the Protocol for Changes during that year. This summary is to be submitted as part of the annual compliance certification pursuant to 6 NYCRR 201-6.4(e).

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 24: Facility Permissible Emissions**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**New York State Department of Environmental Conservation**

Permit ID: 8-3205-00041/00013

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**Item 24.1:**

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 000630-08-0

PTE: 199,520 pounds per year

Name: CARBON MONOXIDE

**Condition 25: Capping Monitoring Condition  
Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 25.1:**

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

40 CFR 52.21

**Item 25.2:**

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

**Item 25.3:**

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

**Item 25.4:**

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

**Item 25.5:**

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

**Item 25.6:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE



**Item 25.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to limit emissions of carbon monoxide below the significance thresholds of 40 CFR 52 Prevention of Significant Deterioration (PSD), the total facility-wide Carbon Monoxide (CO) emissions shall not exceed 99.7 tons per year on a twelve month rolling basis. Records shall be kept to demonstrate compliance with this limit.

These records shall be based on CEM data for the furnace (Method 10), hours of operation and equipment specific emission factors for the diesel-fired equipment, and AP-42 factors and non-furnace gas usage data for the miscellaneous gas and propane fired sources. Records of the furnace CEMs data shall include mass emissions totaled over each 24-hour period (the total of hourly averages 12:00 midnight to the following midnight).

For the miscellaneous gas and propane fired sources, Guardian shall use the CO emission factors (from AP-42) as follows:

propane: 7.5 lb/1000 gal

natural gas: 84 lb/mmcf

or revised factors based on the most current version of AP-42.

On a monthly basis, emissions from all of the sources shall be totaled and compiled with previous eleven months of emissions to maintain the twelve month rolling total emissions for the facility. Records shall be maintained on site for five years and made available to the Department.

Reference Test Method: METHOD 10, AP-42

Monitoring Frequency: MONTHLY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

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 26: Notification**

**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement: 6 NYCRR 202-1.2**

**Item 26.1:**

**New York State Department of Environmental Conservation**

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

**Condition 27: Air pollution prohibited**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 27.1:**

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 28: NOx Emission Reduction Credits**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:6 NYCRR Subpart 231-2**

**Item 28.1:**

In order to satisfy emission offset requirements, 984.3 tons of NOx Emission Reduction Credits (ERCs) were certified and transferred to Guardian. The required NOx emission reduction credits (ERCs) were provided by the following sources:

Facility Name / NYSDEC ID Quantity of ERCs	Emission Point(s)
Lumber Inc. / 3-5148-00239 30.65	00001
Karg Brothers / 5-1708-00012 00004(B) 22.32	00003, 00004(A), &
Pan American Tanning Corp./ 5-1705-00025 10.42	00001(A), 00001(B), & 00003(A)
Outokumpu American Brass / 9-1402-00021 48.00	00011
Nestle Chocolate / 7-3504-00021 42.80	00001

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Pennzoil-Rouseville Refinery, Penn. 100.00	035, 036, & 037  / DEP# 61-302-023
Garlock Inc. / 8-5436-00007 42.00	10003, & 10001
Oneida County RRF / 6-3013-00029 68.20	00001, 00002, 00003,  & 00004
Moench Tanning Co. / 9-0472-00007 17.40	00100, & 00200
NYSEG, Hickling Station / 8-4638-00011 136.00	00001
Cibro / 4-0101-00070 00008 67.81	00004, 00005, 00006,
Binghamton Cogen Plant / 7-0302-00079 170.00	00001
Caparo Steel Company, Penn boilers and 104.00	Shutdown package  BW boilers
#1-3 International Home Foods, Penn 69.70	S04, S05
The Columbia Corp. - Chatham Plant / 55.00  4-1026-00006/00007	00001

An additional 25 tons of NOx ERCs, provided by SUNY Brockport (8-2652-00024) (24.0 tons) and NYSOMRDD, W. Seneca DC (9-0468-00025) (1.0 ton) and reserved for Guardian, are to be returned to NYS Dept of Economic Development in the event that Guardian permanently ceases operation of this facility and surrenders this permit.

**Condition 29: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 29.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 29.2:**

Compliance Certification shall include the following monitoring:

**New York State Department of Environmental Conservation**

Permit ID: 8-3205-00041/00013

Facility DEC ID: 8320500041



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A summary of the emission limits and operating restrictions of this permit must be posted in the appropriate facility control areas and must be plainly visible (without obstruction) to the operators of the facility.

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 30: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:40CFR 52.21(j), Subpart A**

**Item 30.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 30.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to maintain compliance with Best Available Control Technology (BACT) requirements, the total facility-wide NOx emissions shall be limited to 855.9 tons per year on a twelve month rolling basis. Records shall be kept to demonstrate compliance with this limit.

These daily records will be based on CEM data for the furnace (Method 7E), hours of operation and equipment specific emission factors for the diesel-fired equipment, and AP-42 factors and non-furnace gas usage data for the miscellaneous gas and propane fired sources. Records of furnace CEMs data shall include mass emissions totaled over each 24-hr period (the total of hourly averages 12:00 midnight to the following midnight).

For the miscellaneous gas and propane fired sources, Guardian shall use the NOx emission factors (from AP-42) as follows:

propane: 13 lb/1000 gal

natural gas: 100 lb/mmcf





**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 33.1:**

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

Emission Unit: U-BATCH

Emission Point: BH001	Height (ft.): 175	Diameter (in.): 10	
	NYTMN (km.): 4749.9	NYTME (km.): 339.1	Building: BATCH
Emission Point: BH002	Height (ft.): 150	Diameter (in.): 10	
	NYTMN (km.): 4749.9	NYTME (km.): 339.1	Building: BATCH
Emission Point: BH003	Height (ft.): 8	Diameter (in.): 6	
	NYTMN (km.): 4749.9	NYTME (km.): 339.1	Building: OUTSIDE
Emission Point: C0001	Height (ft.): 17	Diameter (in.): 12	
	NYTMN (km.): 4749.9	NYTME (km.): 339.1	Building: OUTSIDE

**Item 33.2:**

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

Emission Unit: U-FURNC

Emission Point: F0001	Height (ft.): 298	Diameter (in.): 102	
	NYTMN (km.): 4749.9	NYTME (km.): 339.1	Building: MAIN

**Item 33.3:**

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

Emission Unit: U-POWER

Emission Point: G0001	Height (ft.): 25	Diameter (in.): 18	
	NYTMN (km.): 4749.9	NYTME (km.): 339.1	Building: MAIN
Emission Point: G0002	Height (ft.): 25	Diameter (in.): 18	
	NYTMN (km.): 4749.9	NYTME (km.): 339.1	Building: MAIN

**Item 33.4:**

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

Emission Unit: U-SCRUB

Emission Point: L0001	Height (ft.): 28	Diameter (in.): 11	
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Emission Unit: U-COMBU  
Process: NAT Source Classification Code: 1-05-001-06  
Process Description:  
This process covers miscellaneous natural gas fired combustion sources, including space heaters & hot water heaters.

Emission Source/Control: COMBU - Combustion

**Item 34.5:**

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

Emission Unit: U-COMBU  
Process: PRO Source Classification Code: 1-02-010-02  
Process Description:  
This process represents miscellaneous LPG (propane) fired combustion sources, including 2 propane vaporizers and 1 emergency test flare.

Emission Source/Control: COMBU - Combustion

**Item 34.6:**

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

Emission Unit: U-CUTTG  
Process: CUT Source Classification Code: 4-02-009-20  
Process Description:  
This process represents the use of cutting oil for scoring and cutting glass at multiple locations.

Emission Source/Control: CUTTG - Process

**Item 34.7:**

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

Emission Unit: U-FURNC  
Process: FUR Source Classification Code: 3-05-014-03  
Process Description:  
This process represents the manufacturing of flat glass in the float glass melting furnace with a nominal capacity of 700 tons per day. It is natural gas fired, with propane fuel as emergency back-up.

Emission Source/Control: F0001 - Process

**Item 34.8:**

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

Emission Unit: U-POWER  
Process: GEN Source Classification Code: 2-01-001-02  
Process Description:  
This process represents emergency back-up electrical



power generation using two diesel fired generators.

Emission Source/Control: G0001 - Combustion  
Design Capacity: 2,000 kilowatts

Emission Source/Control: G0002 - Combustion  
Design Capacity: 2,000 kilowatts

**Item 34.9:**

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

Emission Unit: U-SCRUB  
Process: SCR Source Classification Code: 3-05-014-07  
Process Description:

This process represents the controlled cooling of the glass in an electric annealing lehr. SO<sub>2</sub> is injected at the front of the lehr to improve the glass characteristics.

Emission Source/Control: L0001 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: LEHR1 - Process

**Condition 35: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement: 6 NYCRR 212.4 (c)**

**Item 35.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-BATCH  
Process: MAT

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

**Item 35.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

Emissions of solid particulates from raw material and cullet handling emission sources vented to Emission Points: BH001, BH002, BH003 and C0001 are limited to 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

To ensure compliance with this Part 212.4(c) standard for particulate emissions, the control devices associated with

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each of the applicable emission sources shall be operated to maintain efficiency as specified for 40 CFR 52 Prevention of Significant Deterioration (PSD) Best Available Control Technology (BACT) requirements. These PSD BACT requirements are included in four separate monitoring conditions cited under 40 CFR 52.21(j) in this permit.

The Department reserves the right to perform or require the performance of a Method 5 emissions evaluation at any time.

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: 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 36: Compliance Certification**

**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement: 6 NYCRR 212.6 (a)**

**Item 36.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-BATCH

Process: MAT

**Item 36.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

The permittee will conduct observations of visible emissions from Emission Points BH001, BH002, BH003 and C0001 using Method 22 on a semiannual basis while the process is in operation. The permittee will investigate,

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in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up Method 9 tests), investigations and corrective actions will be kept on-site and made available to the Department upon request.

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Reference Test Method: EPA Method 22 & Method 9  
Monitoring Frequency: SEMI-ANNUALLY  
Averaging Method: 6 MINUTE AVERAGE  
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 37: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:40CFR 52.21(j), Subpart A**

**Item 37.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: U-BATCH                      Emission Point: BH001  
Process: MAT

Regulated Contaminant(s):  
CAS No: 0NY075-00-0      PARTICULATES  
CAS No: 0NY075-00-5      PM-10

**Item 37.2:**  
Compliance Certification shall include the following monitoring:

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

Monitoring Description:  
In order to maintain compliance with Prevention of  
Significant Deterioration (PSD) Best Available Control



Requirements (BACT) requirements, the dust collectors, associated with applicable sources listed below, shall be operated whenever material is transferred at a silo.

ES/ Control Device  
UNLDS/ UNLDC  
SPARE/ SPARC  
DOLOM/DOLOC  
LIMES/  
LIMEC  
SALTC/S  
ALCC  
NEPHS/NEPHC  
SAND1/SND1C  
SAND2/SND2C  
SODAA/SODAC

The dust collectors shall be maintained and operated to provide a minimum of 90% control efficiency. In order to demonstrate compliance with this requirement, pressure drops must be maintained above 1.0 inches of water (when the equipment is in operation), except for the period of initial conditioning of the filter immediately following installation of a new filter.

Pressure drop shall be monitored and recorded at a minimum of once a month for each fabric filter which operated during that month. Immediate corrective action shall be taken upon observation of any problem with a dust collector. Records, including the pressure drop readings, maintenance and filter changes and any other corrective measures, shall be kept on site and made available to the Department upon request.

Manufacturer Name/Model Number: 9 RAW MATERIAL HANDLING SILO DUST COLLECTORS

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 1.0 inches of water

Monitoring Frequency: MONTHLY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE 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 38: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:40CFR 52.21(j), Subpart A**





**Condition 39: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:40CFR 52.21(j), Subpart A**

**Item 39.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-BATCH Emission Point: BH003  
Process: MAT Emission Source: HIVAC

Regulated Contaminant(s):  
CAS No: 0NY075-00-0 PARTICULATES  
CAS No: 0NY075-00-5 PM-10

**Item 39.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Hi-Vac Industrial Vacuum System shall be operated with the use of the filter system (ES HVACC) in order to control emissions of particulates. The filter system shall be maintained according to the manufacturer's recommendations. The vacuum will automatically shut down and the filter bags will be automatically cleaned (mechanically shaken) when the pressure drop across the filter bags reaches the manufacturer's setp point. Automatic cleaning also occurs whenever the system is shut down manually. Records of filter changes or other maintenance to the vacuum system shall be kept on site and made available to the Department upon request.

Manufacturer Name/Model Number: POLYESTER FELT FILTER SYSTEM

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 40: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:40CFR 52.21(j), Subpart A**

**Item 40.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-BATCH Emission Point: C0001  
Process: MAT

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Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

CAS No: 0NY075-00-5 PM-10

**Item 40.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to maintain compliance with Prevention of Significant Deterioration (PSD) Best Available Control Requirements (BACT) requirements, the dust collector (Control Device PADCO) shall be operated whenever the cullet return system (CULPU) is operational. The dust collector shall be maintained and operated to provide a minimum of 90% control efficiency. In order to demonstrate compliance with this requirement, pressure drops must be maintained above 1.0 inch of water, except for the period of initial blinding of the filter immediately following installation of a new filter.

The pressure drop across the cartridge filters shall be recorded weekly. Immediate corrective action shall be taken upon observation of any problem with the dust collector. Records, including pressure drop readings, maintenance and filter changes, and any corrective actions, shall be kept on site and made available to the Department upon request.

Manufacturer Name/Model Number: CULLET RETURN SYSTEM DUST COLLECTOR

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 1.0 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 41: Compliance Certification**

**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement: 6 NYCRR Part 226**

**Item 41.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CLEAN

Process: DEG





(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) If using a cold cleaning degreaser that is subject to paragraph 226.3(a)(4), retain a record of the following three items for five years and provide these records to the Department upon request. An invoice, a bill of sale, a certificate covering multiple sales, a Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this requirement.

(a) the name and address of the solvent supplier;

(b) the type of solvent including the product or vendor identification number; and

(c) the vapor pressure of the solvent measured in mm Hg at 20 °C (68 °F).

**D. Record Keeping Requirements:**

Deviations from these requirements shall be recorded in a log maintained for this purpose within the corresponding operating area and shall be appropriately identified in the semi-annual monitoring report. In addition, the log must note whether the cold cleaner is equipped with an internal drain as specified in item A(2) above.

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 42: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:6 NYCRR 227-1.3**

**Item 42.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-COMBU

**Item 42.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent

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opacity (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. The Department reserves the right to perform or request the performance of a Method 9 compliance test at any time.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 43: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:40CFR 52.21(j), Subpart A**

**Item 43.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-COMBU

**Item 43.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to satisfy Best Available Control Technology (BACT) requirements, these sources shall be maintained and operated in accordance with manufacturer's guidelines. All diesel fueled sources shall burn diesel with a maximum sulfur content of 0.05% by weight.

Monitoring Frequency: PER DELIVERY

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 44: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:6 NYCRR 212.10**

**Item 44.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-CUTTG

Process: CUT

Regulated Contaminant(s):

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CAS No: 008012-95-1 MINERAL OIL

**Item 44.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to limit emissions of volatile organic compounds (VOC) below the threshold for Reasonably Available Control Technology (RACT) for major facilities, Guardian shall limit the total use of mineral spirits at the glass cutting stations (Emission Source CUTTG) to less than 15,000 gallons per year on a twelve month rolling basis.

The use of mineral spirits shall be monitored and recorded monthly and incorporated into a rolling twelve month total. Records shall be kept on site and made available to the Department upon request.

Parameter Monitored: MINERAL OIL

Upper Permit Limit: 15,000 gallons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

**Condition 45: Compliance Certification**

**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement: 6 NYCRR 212.6 (a)**

**Item 45.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-FURNC

Process: FUR

**Item 45.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In an effort to minimize the likelihood of opacity exceedances caused by the running of 3R, or any other cause, Guardian shall adhere to the following maintenance schedule:

- Burner tip and block cleaning every 2 weeks



This maintenance item consists of pulling all of the burners out of the furnace, one at a time, and wire brushing or replacing the stainless steel tip, depending on the condition. The block that the burner sits in will also be cleaned to free it of any debris or build up. A bad burner tip or build up can affect flame geometry and combustion causing poor mixing of the gas and air. This produces a reduced condition exhaust stream that is high in carbon (soot), which increases the opacity percentage. This project takes about an hour to complete.

- Regenerator (checker) burning every 6 months

The regenerator's key function is to capture heat from the exhaust stream and use it to preheat combustion air before it is used in the process. It achieves this through a honeycomb of refractory bricks with a large amount of surface area called checkers. Over the course of months, material from the exhaust stream condenses and solidifies on the bricks, which cause the flues to choke off and become inefficient at transferring heat. This causes the checker pack to cool down, which limits the effectiveness of the 3R process and causes opacity to increase until the pack heats back up.

Burning the checkers will consist of reheating the built up materials to the point that they liquefy and run out of the flue. This will allow the checker pack flues to open back up and become more efficient in transferring and retaining heat. This process takes 1 week to complete.

- Regenerator bottom clean out every 6 months

During the process of checker burning, a large amount of debris collects in the base of the generators and needs to be cleaned out. There is also an accumulation of batch particulate from furnace carryover that collects in the base of the regenerators and needs to be cleaned out. This process can take up to two weeks depending on the amount of buildup.

- Annual port neck cleaning

The port neck is the area of the glass-melting furnace that connects the melting tank to the upper section of the regenerators. Similar to the regenerators, the port neck accumulates build up through batch carryover and needs to be cleaned out to prevent choked off combustion airflow. Poor airflow creates poor combustion, which increases opacity. This job requires long water-cooled rakes to go into the furnace port necks and remove the debris. This job takes about 2 weeks to complete.

- Annual flue cleaning and vacuuming

Flues are areas where a large amount of post combustion





furnace back into the batch.

In order to demonstrate compliance with these requirements, the Sulfur Balance Model shall be maintained electronically on site and shall include: raw materials input to the furnace, salt cake/sand ratio, process sulfur ratio, sulfur retain in the glass, cullet ratio, glass production rate, and predicted levels of SO<sub>2</sub>, Particulates, and Sulfuric Acid in both lb/hr and lb/ton units. These records shall be maintained to show daily compliance and updated no less frequently than on a weekly basis.

Monitoring Frequency: 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 47: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:40CFR 52.21(j), Subpart A**

**Item 47.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-FURNC

Process: FUR

**Item 47.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Guardian shall maintain, calibrate, and operate certified continuous emission monitoring (CEM) and recording systems to measure opacity, NO<sub>x</sub>, CO, and O<sub>2</sub> in the exhaust stack of the furnace. The CEMs shall be operated whenever the furnace is in operation, except during quality control checks or routine maintenance on the CEMs. The CEMs must monitor NO<sub>x</sub> and CO emissions continuously and calculate and record one hour average NO<sub>x</sub> and CO emission rates in both lb/mmBtu and lb/hr units.

To ensure the accuracy of the CEMS, performance testing and annual RATAs in accordance with 40 CFR 60, Appendix A are required. The system and all individual monitors must meet the specifications found in 40 CFR 60, Appendix B. All quality assurance procedures required by 40 CFR 60, Appendix F and 40 CFR 51, Appendix M (opacity) and as described in Draft Air Guide 34 shall be conducted in



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Emission Unit: U-FURNC  
Process: FUR

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

**Item 49.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For purposes of regulating Particulate emissions from the furnace, Guardian shall comply with the requirements of NSPS Subpart CC for glass melting furnaces "with modified-processes", according to 40 CFR 60.293. Any waiver of these requirements must be approved by USEPA.

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 50: Compliance Certification**

**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:40CFR 60.293(c), NSPS Subpart CC**

**Item 50.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-FURNC  
Process: FUR

**Item 50.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Opacity from the furnace shall not exceed 11% on a six consecutive minute average basis. A continuous opacity monitoring system (COMS) shall be calibrated, maintained, and operated at all times the furnace is operated in order to monitor compliance with the opacity limit. Guardian shall report as excess emissions all of the six minute periods during which the average opacity, as measured by the COMS exceeds 11%.

Manufacturer Name/Model Number: SICK OPTIC OMD 41-02 or equivalent

Parameter Monitored: OPACITY

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Upper Permit Limit: 11 percent  
Reference Test Method: 40 CFR 60 Performance Specification 1  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2013.  
Subsequent reports are due every 3 calendar month(s).

**Condition 51: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:40CFR 60.296(a), NSPS Subpart CC**

**Item 51.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: U-FURNC  
Process: FUR

**Item 51.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

If the glass melting furnace, which is currently considered a "glass melting furnace with modified-processes" pursuant to section 60.293, is changed to one without modified processes, Guardian shall notify the Department at least 60 days before the change is scheduled to occur in order to initiate a permit modification.

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 52: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.5**

**Item 52.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: U-FURNC                      Emission Point: F0001  
Process: FUR

Regulated Contaminant(s):

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

**Item 52.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

In order to maintain compliance with 6 NYCRR Part 231-2.5 (LAER) and 40 CFR 52.21 (j) (BACT) requirements, Guardian shall operate NOx reduction technologies which may include some or all of the following: low NOx burners, oxy-firing, and/or type 1 or type 2 3R control in order to maintain NOx emissions at or below 199 lb/hr on a rolling 30 day average basis. In order to demonstrate compliance with this limit, Guardian shall operate a continuous emission monitoring (CEM) system. Records shall be kept on site for five years and made available to the Department upon request.

Manufacturer Name/Model Number: THERMO-ENVIRONMENTAL INSTRUMENTS  
MODEL 42C or equivalent

Upper Permit Limit: 199 pounds per hour

Reference Test Method: METHOD 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2013.

Subsequent reports are due every 3 calendar month(s).

**Condition 53: Compliance Certification**

**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:6 NYCRR 231-2.5**

**Item 53.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-FURNC

Emission Point: F0001

Process: FUR

Regulated Contaminant(s):

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

**Item 53.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For compliance with LAER (231-2.5) and BACT(40 CFR 52.21 (j)) requirements, NOx emissions are limited to 1.23 lb/mmbtu on a 30 day rolling basis. This emission limit

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corresponds to the Higher Heating Value (HHV) of the fuel burned. A continuous emissions monitoring (CEM) system will be used to demonstrate compliance with this limit. Guardian shall maintain and operate a fuel meter and calorimeter to measure heat input (mmbtu/hr) for purposes of calculating emissions (lb/mmbtu). Records of daily fuel usage (ft<sup>3</sup>/hr) and calorific value of the gas (mmbtu/ft<sup>3</sup>) shall also be kept. All records shall be kept on site for five years and made available to the Department upon request.

Manufacturer Name/Model Number: THERMO-ENVIRONMENTAL INSTRUMENTS  
MODEL 42C or equivalent

Upper Permit Limit: 1.23 pounds per million Btus

Reference Test Method: METHOD 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 30 DAY ROLLING AVERAGE, ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2013.

Subsequent reports are due every 3 calendar month(s).

**Condition 54: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 54.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-FURNC

Emission Point: F0001

Process: FUR

Emission Source: F0001

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

**Item 54.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to reduce emissions of PM10 from the furnace (ES F0001), Guardian shall install and operate control technology according to the schedule below.

By January 30th following the end of calendar years 2012, 2013 and 2014, Guardian shall submit a status report, including information related to remaining furnace life, Cold Tank Repair (CTR) project planning, technology selection and construction.

By March 31, 2015, Guardian shall submit a preliminary CTR

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project proposal, describing the scope of the upgrades, including furnace tonnage and downstream equipment.

By March 31, 2016, Guardian shall select control technology and submit an application for a Title V modification to authorize the construction of the proposed PM10 controls.

By March 31, 2018, Guardian shall begin CTR (glass production shut down).

By July 31, 2018, Guardian shall commission and begin debug of the new control equipment.

Within 180 days of commissioning the new equipment, Guardian shall conduct performance tests on the control system. Guardian shall notify the Department of the scheduled testing and submit a test protocol and stack test report in accordance with the requirements of 6 NYCRR Part 202-1.

Reference Test Method: METHOD 201/201A/202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

**Condition 55: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:40CFR 52.21(j), Subpart A**

**Item 55.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-FURNC  
Process: FUR

Emission Point: F0001  
Emission Source: F0001

Regulated Contaminant(s):

CAS No: 007446-09-5	SULFUR DIOXIDE
CAS No: 0NY075-00-0	PARTICULATES
CAS No: 007664-93-9	SULFURIC ACID

**Item 55.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



Compliance with BACT requirements for emissions of sulfur dioxide, sulfuric acid, and particulate listed below, shall be demonstrated on a daily basis through the use of Guardian's Sulfur Balance Model. The Sulfur Balance Model shall be maintained electronically on site and shall include: raw materials input to the furnace, salt cake/sand ratio, process sulfur ratio, sulfur retain in the glass, cullet ratio, glass production rate, and predicted levels of SO<sub>2</sub>, Particulates, and Sulfuric Acid in both lb/hr and lb/ton units. These records shall be maintained to show daily compliance and updated no less frequently than on a weekly basis. Note that sulfur retain in the glass is analyzed and incorporated into the model on a 30 day rolling average basis.

Sulfur Dioxide: 2.07 lb/ton and 60 lb/hr  
Sulfuric Acid: 0.17 lb/ton and 5 lb/hr  
Particulate: 0.5 gr/kg (1 lb/ton) and 29.2 lb/hr

Monitoring Frequency: 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 56: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement: 40CFR 52.21(j), Subpart A**

**Item 56.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: U-FURNC                      Emission Point: F0001  
Process: FUR                                      Emission Source: F0001

Regulated Contaminant(s):  
CAS No: 000630-08-0                      CARBON MONOXIDE

**Item 56.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)  
Monitoring Description:

Carbon monoxide (CO) emissions are limited to 0.1 lb/mmbtu on a 30 day rolling average basis. This emission limit corresponds to the Higher Heating Value (HHV) of the fuel burned. A continuous emissions monitoring (CEM) system will be used to demonstrate compliance with these limits. Guardian shall maintain and operate a fuel meter and calorimeter to measure heat input (mmbtu/hr) for purposes of calculating emissions (lb/mmbtu). Records of

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daily fuel usage (ft<sup>3</sup>/hr) and calorific value of the gas (mmbtu/ft<sup>3</sup>) shall also be kept. All records shall be kept on site for five years and made available to the Department upon request.

Manufacturer Name/Model Number: TECO Model 48C or equivalent  
Upper Permit Limit: 0.1 pounds per million Btus  
Reference Test Method: Method 10  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 30 DAY ROLLING AVERAGE, ROLLED DAILY  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2013.  
Subsequent reports are due every 3 calendar month(s).

**Condition 57: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement: 40CFR 52.21(j), Subpart A**

**Item 57.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-FURNC                      Emission Point: F0001  
Process: FUR                                      Emission Source: F0001

Regulated Contaminant(s):  
CAS No: 007664-93-9                      SULFURIC ACID

**Item 57.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of Sulfuric Acid are limited to 0.17 lb/ton and 5 lbs/hr. In order to demonstrate compliance with the Sulfuric Acid limits, annual stack tests shall be conducted according to methods and procedures approved by the Department. Guardian shall submit a test report within 30 days of completing the annual test.

Upper Permit Limit: 5 pounds per hour  
Reference Test Method: METHOD 8 or 8A  
Monitoring Frequency: ANNUALLY  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2014.  
Subsequent reports are due every 6 calendar month(s).

**Condition 58: Compliance Certification**



Effective between the dates of 07/18/2013 and 07/17/2018

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

**Item 58.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-FURNC                      Emission Point: F0001  
Process: FUR                                      Emission Source: F0001

Regulated Contaminant(s):  
CAS No: 007446-09-5                      SULFUR DIOXIDE

**Item 58.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of Sulfur Dioxide are limited to 2.07 lb/ton and 60 lbs/hr. In order to demonstrate compliance with the sulfur dioxide limits, annual stack tests shall be conducted according to methods and procedures approved by the Department. Guardian shall submit a test report within 30 days of completing the test.

Upper Permit Limit: 60 pounds per hour  
Reference Test Method: METHOD 6C  
Monitoring Frequency: ANNUALLY  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2014.  
Subsequent reports are due every 6 calendar month(s).

**Condition 59: Compliance Certification**  
Effective between the dates of 07/18/2013 and 07/17/2018

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

**Item 59.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-FURNC                      Emission Point: F0001  
Process: FUR                                      Emission Source: F0001

Regulated Contaminant(s):  
CAS No: 000630-08-0                      CARBON MONOXIDE

**Item 59.2:**

Compliance Certification shall include the following monitoring:

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Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

In order to remain below the PSD applicability threshold, carbon monoxide (CO) emissions are limited to 21.9 lb/hr on a 30 day rolling average basis. A continuous CO monitoring system will be used to demonstrate compliance with this limit. Records shall be kept on site and made available to the Department upon request.

Manufacturer Name/Model Number: TECO MODEL 48C or equivalent

Upper Permit Limit: 21.9 pounds per hour

Reference Test Method: 10

Monitoring Frequency: CONTINUOUS

Averaging Method: 30 DAY ROLLING AVERAGE, ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2013.

Subsequent reports are due every 3 calendar month(s).

**Condition 60: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement: 40CFR 60.293(b)(1), NSPS Subpart CC**

**Item 60.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-FURNC

Emission Point: F0001

Process: FUR

Emission Source: F0001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 60.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to satisfy NSPS requirements of 40 CFR 60 Subpart CC, particulate emissions from the furnace are limited to 0.5 grams per kilogram of glass produced (1 lb/ton) and 29.2 lb/hr. Annual stack testing to demonstrate compliance with these particulate limits shall be conducted according to test methods and procedures specified in paragraph 60.293(e). Guardian shall submit a test report within 30 days of completing the test.

Upper Permit Limit: 29.2 pounds per hour

Reference Test Method: METHOD 5

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED



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period per hour of not more than 27 percent opacity. The Department reserves the right to perform or request the performance of a Method 9 compliance test at any time.

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Reference Test Method: Method 9  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 63: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:40CFR 52.21(j), Subpart A**

**Item 63.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: U-POWER                      Emission Point: G0001  
Process: GEN                                      Emission Source: G0001

Regulated Contaminant(s):  
CAS No: 000630-08-0      CARBON MONOXIDE  
CAS No: 007446-09-5      SULFUR DIOXIDE  
CAS No: 0NY075-00-0      PARTICULATES  
CAS No: 0NY075-00-5      PM-10  
CAS No: 0NY210-00-0      OXIDES OF NITROGEN

**Item 63.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:  
In order to maintain compliance with 6 NYCRR Part 231-2.5 (LAER) and 40 CFR 52.21 (BACT) requirements, this generator shall be operated with the use of ignition timing retard with a turbo charger and aftercooler. Emission limits are as follows:  
NOx: 2.70 lb/mmbtu and 52.45 lb/hr  
CO: 0.26 lb/mmbtu and 5.09 lb/hr  
SO2: 0.06 lb/mmbtu and 1.16 lb/hr  
PM/PM10: 0.04 lb/mmbtu and 0.75 lb/hr

The generator shall be limited to 200 hours of operation on a rolling twelve month basis. In order to verify compliance with this limit, a log of the hours of operation of the generator and the reason for operation shall be maintained on site. Hours of operation during each month shall be recorded and summed with the previous

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eleven months to calculate the rolling twelve month total.

Work Practice Type: HOURS PER YEAR OPERATION

Manufacturer Name/Model Number: Caterpillar Diesel Generator #1 Model 3516B

Upper Permit Limit: 200 hours

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

**Condition 64: Compliance Certification**

**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:6 NYCRR 227-1.3**

**Item 64.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-POWER

Emission Point: G0002

Process: GEN

Emission Source: G0002

**Item 64.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. The Department reserves the right to perform or request the performance of a Method 9 compliance test at any time.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 65: Compliance Certification**

**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement:40CFR 52.21(j), Subpart A**

**Item 65.1:**

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The Compliance Certification activity will be performed for:

Emission Unit: U-POWER                      Emission Point: G0002  
Process: GEN                                      Emission Source: G0002

Regulated Contaminant(s):  
CAS No: 000630-08-0                      CARBON MONOXIDE  
CAS No: 007446-09-5                      SULFUR DIOXIDE  
CAS No: 0NY075-00-0                      PARTICULATES  
CAS No: 0NY075-00-5                      PM-10  
CAS No: 0NY210-00-0                      OXIDES OF NITROGEN

**Item 65.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

In order to maintain compliance with 6 NYCRR Part 231-2.5 (LAER) and 40 CFR 52.21 (BACT) requirements, this generator shall be operated with the use of ignition timing retard with a turbo charger and aftercooler.

Emission limits are as follows:

NOx: 2.70 lb/mmbtu and 52.45 lb/hr

CO: 0.26 lb/mmbtu and 5.09 lb/hr

SO2: 0.06 lb/mmbtu and 1.16 lb/hr

PM/PM10: 0.04 lb/mmbtu and 0.75 lb/hr

The generator shall be limited to 200 hours of operation on a rolling twelve month basis. In order to verify compliance with this limit, a log of the hours of operation of the generator and the reason for operation shall be maintained on site. Hours of operation during each month shall be recorded and summed with the previous eleven months to calculate the rolling twelve month total.

Work Practice Type: HOURS PER YEAR OPERATION

Manufacturer Name/Model Number: Caterpillar Diesel Generator #2 Model 3516B

Upper Permit Limit: 200 hours

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

**Condition 66: Compliance Certification**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable Federal Requirement: 6 NYCRR 212.6 (a)**

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**Item 66.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-SCRUB

Emission Point: L0001

Process: SCR

**Item 66.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

The permittee will conduct observations of visible emissions from Emission Point L0001 using Method 22 on a semiannual basis while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up Method 9 tests), investigations and corrective actions will be kept on-site and made available to the Department upon request.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 22 & Method 9

Monitoring Frequency: SEMI-ANNUALLY

Averaging Method: 6 MINUTE AVERAGE

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 67: Compliance Certification**  
Effective between the dates of 07/18/2013 and 07/17/2018

**Applicable Federal Requirement:40CFR 52.21(j), Subpart A**

**Item 67.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-SCRUB                      Emission Point: L0001  
Process: SCR

Regulated Contaminant(s):  
CAS No: 007446-09-5                      SULFUR DIOXIDE

**Item 67.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to comply with the requirements of 40 CFR 52.21 Prevention of Significant Deterioration (BACT), SO<sub>2</sub> emissions from the annealing lehr are limited to 0.42 lb/hr. Emissions are to be controlled by the operation of a scrubber whenever the annealing lehr is operating. The scrubber shall be maintained and operated to provide 95% removal efficiency of sulfur dioxide emissions. To ensure the proper removal efficiency, the pressure drop across the scrubber shall be maintained between 0.3 and 3.0 "wc. The pressure differential shall be monitored and recorded on a daily basis. Records shall be kept on site and made available to the Department upon request.

Manufacturer Name/Model Number: DUALL MODEL F105-28 FUME SCRUBBER

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 0.3 inches of water

Upper Permit Limit: 3.0 inches of water

Reference Test Method: Method 6C

Monitoring Frequency: DAILY

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 68: Compliance Certification**  
Effective between the dates of 07/18/2013 and 07/17/2018

**Applicable Federal Requirement:40CFR 52.21(j), Subpart A**

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**Item 68.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-SCRUB                      Emission Point: L0001  
Process: SCR

Regulated Contaminant(s):  
CAS No: 007446-09-5              SULFUR DIOXIDE

**Item 68.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to comply with the requirements of 40 CFR 52.21 Prevention of Significant Deterioration (BACT), SO<sub>2</sub> emissions from the annealing lehr are limited to 0.42 lb/hr. Emissions are to be controlled by the operation of a scrubber whenever the annealing lehr is operating. The scrubber shall be maintained and operated to provide 95% removal efficiency of sulfur dioxide emissions. To ensure the proper removal efficiency, the pH level of the scrubbing solution must be maintained between 9.0 and 11.0. The pH shall be monitored and recorded on a daily basis. Records shall be kept on site and made available to the Department upon request.

Manufacturer Name/Model Number: DUALL MODEL F105-28 FUME SCRUBBER

Parameter Monitored: ACIDITY/ALKALINITY

Lower Permit Limit: 9.0 pH (STANDARD) units

Upper Permit Limit: 11.0 pH (STANDARD) units

Reference Test Method: Method 6C

Monitoring Frequency: DAILY

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 1/30/2014.

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



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

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

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

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

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

**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 69: Contaminant List**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable State Requirement:ECL 19-0301**

**Item 69.1:**  
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000630-08-0  
Name: CARBON MONOXIDE



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

CAS No: 007664-93-9  
Name: SULFURIC ACID

CAS No: 008012-95-1  
Name: MINERAL OIL

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

CAS No: 0NY075-00-5  
Name: PM-10

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

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

**Condition 70: Malfunctions and start-up/shutdown activities  
Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable State Requirement:6 NYCRR 201-1.4**

**Item 70.1:**

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

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

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.



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

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

**Condition 71: Visible Emissions Limited**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 71.1:**

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

**Condition 72: Asbestos containing surface coatings prohibited**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable State Requirement:6 NYCRR 221.2**

**Item 72.1:**

No person shall engage in or allow surface coating by the spraying of asbestos or asbestos-containing materials.

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

**Condition 73: Compliance Demonstration**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable State Requirement:6 NYCRR 220-2.4 (a)**

**Item 73.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-FURNC

Regulated Contaminant(s):

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

**Item 73.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

**New York State Department of Environmental Conservation**

Permit ID: 8-3205-00041/00013

Facility DEC ID: 8320500041



The owner or operator of a glass melting furnace located at a glass plant that is a major facility of oxides of nitrogen (NOx) must maintain a file of daily glass production rates. The production rates must be summarized monthly. Glass production records must be retained for at least five years following the date of such records and must be made available for inspection by the department during normal business hours.

Monitoring Frequency: MONTHLY

Averaging Method: Daily block average

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 74: Compliance Demonstration**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

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

**Item 74.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-FURNC

Regulated Contaminant(s):

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

**Item 74.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

In accordance with the approved Reasonably Available Control Technology (RACT) analysis, dated November 29, 2010, the existing NOx reduction technologies which may include some or all of the following: low NOx burners, oxy-firing, and/or type 1 or type 2 3R control in order to maintain NOx emissions at or below 199 lb/hr on a rolling 30 day average basis, is determined to be RACT for the glass melting furnace (ES F0001).

Guardian shall demonstrate compliance with the NOx RACT emission limit by measuring NOx emissions with a CEMS. The CEMS shall comply with the requirements of 6 NCYRR Part 220-2.4(c).

Manufacturer Name/Model Number: THERMO-ENVIRONMENTAL INSTRUMENTS  
MODEL 42C or equivalent

Upper Permit Limit: 199 pounds per hour

Reference Test Method: METHOD 7E

**New York State Department of Environmental Conservation**

Permit ID: 8-3205-00041/00013

Facility DEC ID: 8320500041



Monitoring Frequency: CONTINUOUS  
Averaging Method: 30-DAY ROLLING AVERAGE  
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 75: Compliance Demonstration**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable State Requirement: 6 NYCRR 220-2.4 (c)**

**Item 75.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-FURNC

Regulated Contaminant(s):

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

**Item 75.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator of a glass melting furnace shall install, calibrate, evaluate, operate, and maintain a CEMS, in accordance with the provisions of 40 CFR part 60, appendices A, B and F, for measuring NO<sub>x</sub> and shall record the output of the system.

As part of its application for a permit or permit modification, the owner or operator of a glass melting furnace shall submit for department approval a CEMS plan.

The owner or operator of a glass melting furnace shall submit for department approval a CEMS certification protocol at least 60 days prior to CEMS certification testing. The certification protocol shall include the location of and specifications for each instrument or device, as well as procedures for calibration, operation, data evaluation, and data reporting.

The procedures in subparagraphs (i) through (v) below shall be used for determining compliance with the NO<sub>x</sub> RACT emission limit established under section 6 NYCRR Part 220-2.3(a).

(i) The owner or operator of a glass melting furnace shall determine compliance daily on a 30 day rolling average basis. The 30 day rolling averages shall be



calculated by dividing 30 day total NO<sub>x</sub> emissions by 30 day total glass production. Only days when the furnace operates shall be included in the 30 day rolling averages.

(ii) At a minimum, valid CEMS data shall be obtained for 90 percent of the operating hours in each calendar quarter that the subject facility is operating.

(iii) All valid CEMS data shall be used in calculating emission rates even if the minimum data requirements of subparagraph (ii) above are not met.

(iv) Along with any specific additional data requirements mandated by the department for a particular glass melting furnace, annual recertifications, quarterly accuracy, and daily calibration drift tests shall be performed in accordance with 40 CFR part 60, appendix F.

(v) When NO<sub>x</sub> emissions data are not obtained because of CEMS downtime, or for periods when no valid CEMS data is available, emission data shall be obtained by using the 90th percentile value of all CEMS NO<sub>x</sub> emission data collected over the last 180 days.

In addition to the requirements of subparagraphs (i) through (iii) below, the owner or operator of a glass melting furnace shall comply with the CEMS recordkeeping and reporting requirements of 40 CFR part 60, subpart A and appendix F.

(i) The owner or operator of a glass melting furnace shall notify the department of the planned initial start-up date of any new CEMS.

(ii) Emissions, monitoring, and operating parameter records or measurements required by this Subpart and any additional parameters required by the department shall be maintained for at least five years and made available to the department upon request.

(iii) On a semi-annual basis, the owner or operator of a glass melting furnace shall tabulate and summarize applicable emissions, monitoring, and operating parameter measurements recorded during the preceding six months, and submit these records to the department. These records shall be submitted in a format acceptable to the department and shall include:

(a) the 30 day rolling average NO<sub>x</sub> emissions as specified under paragraph (4) of this subdivision;

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(b) identification of the operating hours when NOx emissions data are not included in a calculation of the 30 day rolling average emissions and the reasons for not including that data;

(c) a comparison of the NOx emissions to the NOx RACT emissions limit(s);

(d) type and amount of fuel burned on a daily basis and the as burned heat content of the fuel;

(e) the total daily NOx emissions and total daily glass production; and

(f) the results of CEMS accuracy assessments as required by 40 CFR part 60, appendix F and any additional data quality information required by the department.

Manufacturer Name/Model Number: THERMO-ENVIRONMENTAL INSTRUMENTS  
MODEL 42C or equivalent

Upper Permit Limit: 199 pounds per hour

Reference Test Method: METHOD 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY ROLLING AVERAGE

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 76: Compliance Demonstration**  
**Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable State Requirement: 6 NYCRR 220-2.4 (d)**

**Item 76.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-FURNC

Regulated Contaminant(s):

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

**Item 76.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Protocols, reports, summaries, schedules, and any other information required to be submitted to the department under provisions of this Subpart must be sent (in either

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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 Thomas L. Marriott, Regional Air Pollution Control Engineer, New York State Department of Environmental Conservation - Region 8 Office, 6274 East Avon-Lima Road, Avon, NY 14414-9519.

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 77: Sources meeting Federal requirements, satisfy Part 212 compliance for regulated contaminant Effective between the dates of 07/18/2013 and 07/17/2018**

**Applicable State Requirement:6 NYCRR 212.5 (e)**

**Item 77.1:**

This Condition applies to Emission Unit: U-FURNC  
Process: FUR

**Item 77.2:**

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

