



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 4-0122-00004/00039
Effective Date: 11/05/2010 Expiration Date: 11/04/2015

Permit Issued To: OWENS CORNING INSULATING SYSTEMS LLC
1 OWENS CORNING PKWY
TOLEDO, OH 43659

Facility: OWENS-CORNING INSULATING SYSTEMS- FEURA BUSH
1277 FEURA BUSH RD
FEURA BUSH, NY 12067

Contact: DAVID A KRENITSKY
OWENS-CORNING DELMAR PLANT
1277 FEURA BUSH RD
FEURA BUSH, NY 12067
(518) 475-3673

Description:

This is the first renewal of the Title V permit pursuant to Article 19 (Air Pollution Control) of the New York State Environmental Conservation Law and Title V of the federal Clean Air Act. The facility manufactures wool fiberglass insulation products and includes two glass furnaces and associated production lines controlled by electrostatic precipitators and other air pollution control equipment.

With this renewal, the permit has been modified to include conditions to implement provisions of the federal Compliance Assurance Monitoring (CAM) rule under 40 CFR Part 64, which requires monitoring of control device, capture system, and/or process parameters to provide a reasonable assurance of compliance with emission limitations or standards for individual sources having pre-control potential emissions that equal or exceed a major source threshold.

Additionally, the permit has been modified to allow the conversion from a binder system that is currently based on a formaldehyde/phenol resin to a starch-based binder system in both bonded manufacturing lines. It is expected that the change to the new starch-based binder system will reduce the emissions of binder-related hazardous air pollutants (HAPs) at the facility by approximately 80 to 85 percent, and emissions of ammonia will be significantly lowered, as well.

To account for a possible increase in actual emissions of volatile organic compounds (VOC) as a result of using the starch-based binder system, the facility is accepting a limit (or cap) on VOC emissions across its two manufacturing lines to maintain the increase to less than 40 tons per year, thereby avoiding nonattainment new source review requirements under 6 NYCRR Part 231. The switch to the starch-based binder system will not change the emissions of other criteria air pollutants. The United States Environmental Protection Agency (USEPA) has made a determination, as it has done for similar wool fiberglass manufacturing plants elsewhere, that the completion of the change to a non-formaldehyde/non-phenol, starch-based binder system will result in the OCIS Delmar Plant no longer being subject to the National Emission Standards for Hazardous Air Pollutants for Wool Fiberglass Manufacturing, 40 CFR 63, Subpart NNN. With the modification to convert to a new starch-based binder system, ten new storage tanks will be



constructed/installed within existing facility structures and existing 6 NYCRR Part 201 defined emission units and one existing tank will be modified. The binder related materials to be stored and the size of the tanks are as follows: two maltodextrin tanks at 15,227 gallons each; one sodium hydroxide tank at 13,900 gallons; one sodium hypophosphite tank at 6,186 gallons, one citric acid tank at 8,225 gallons; and six tanks ranging from 900 to 2,000 gallons each for hood wall wash water recirculation, binder make-up water storage, binder mix storage, and binder circulation. Note that storage tanks with capacities of less than 10,000 gallons are considered exempt activities under 6 NYCRR Subpart 201-3.

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: ANGELO A MARCUCCIO
NYSDEC
1130 N WESTCOTT RD
SCHENECTADY, NY 12306-2014

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of application for permit modification or renewal-REGION 4 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 modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

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

Condition 5: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 5.1:

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

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

**** Facility Level ****

Condition 6: Submission of application for permit modification or renewal-REGION 4 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 6.1:

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

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: OWENS CORNING INSULATING SYSTEMS LLC
1 OWENS CORNING PKWY
TOLEDO, OH 43659

Facility: OWENS-CORNING INSULATING SYSTEMS- FEURA BUSH
1277 FEURA BUSH RD
FEURA BUSH, NY 12067

Authorized Activity By Standard Industrial Classification Code:
3296 - MINERAL WOOL

Permit Effective Date: 11/05/2010

Permit Expiration Date: 11/04/2015



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.5 (a) (7): Fees
- 3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
- 4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.5 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
- 16 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
- 17 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
- 18 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
- 19 6 NYCRR 202-1.1: Required Emissions Tests
- 20 6 NYCRR 211.3: Visible Emissions Limited
- 21 40 CFR Part 68: Accidental release provisions.
- 22 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 23 6 NYCRR Subpart 201-6: Emission Unit Definition
- 24 6 NYCRR 201-6.5 (g): Non Applicable requirements
- *25 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *26 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 27 6 NYCRR 202-1.2: Notification
- 28 6 NYCRR 202-1.3: Acceptable procedures - Stack test report submittal
- 29 6 NYCRR Part 212: Compliance Certification
- 30 6 NYCRR 212.4 (a): Compliance Certification
- 31 6 NYCRR 212.4 (c): Compliance Certification
- 32 6 NYCRR 212.6 (a): Compliance Certification
- 33 6 NYCRR 228-1.3 (a): Compliance Certification
- 34 6 NYCRR 228-1.5 (a): Compliance Certification
- 35 6 NYCRR 228-1.10: Compliance Certification
- 36 6 NYCRR 234.3 (a) (1) (i): Compliance Certification
- 37 6 NYCRR 234.5: Compliance Certification
- 38 6 NYCRR 234.6: Compliance Certification
- 39 6 NYCRR 234.7: Compliance Certification
- 40 6 NYCRR 234.8: Compliance Certification
- 41 40CFR 60.110b(b), NSPS Subpart Kb: Compliance Certification
- 42 40CFR 63.4, Subpart A: Prohibitions
- 43 40CFR 63.6(e)(1), Subpart A: Operations during startup, shutdown,



and malfunction - §63.6(e)(1)(i)-(iii)

- 44 40CFR 63.6(e)(3), Subpart A: Startup, Shutdown and Malfunction
- 45 40CFR 63.9, Subpart A: 40 CFR 63.9 (b)(4) Construct/Reconstruct Notification
- 46 40CFR 63.9, Subpart A: 40 CFR 63.9 (e) Performance Test Notification
- 47 40CFR 63.9, Subpart A: 40 CFR 63.9 (h) Notification of Compliance Status
- 48 40CFR 63.10, Subpart A: § 63.10(b) General Recordkeeping Requirements
- 49 40CFR 63.10, Subpart A: §63.10(d) General Reporting Requirements
- 50 40CFR 63.3320(b)(2), Subpart JJJJ: Compliance Certification
- 51 40CFR 63.3320(b)(3), Subpart JJJJ: Compliance Certification
- 52 40CFR 63.3360(c), Subpart JJJJ: Compliance Certification
- 53 40CFR 63.3400(b), Subpart JJJJ: Compliance Certification
- 54 40CFR 63.3400(c)(1), Subpart JJJJ: Compliance Certification
- 55 40CFR 63.3400(c)(2), Subpart JJJJ: Compliance Certification
- 56 40CFR 63.3410(a), Subpart JJJJ: Compliance Certification
- 57 40CFR 63.1382(a)(1), Subpart NNN: Compliance Certification
- 58 40CFR 63.1382(a)(2), Subpart NNN: Compliance Certification
- 59 40CFR 63.1382(b)(2)(i), Subpart NNN: Compliance Certification
- 60 40CFR 63.1382(b)(2)(ii), Subpart NNN: Compliance Certification
- 61 40CFR 63.1382(b)(2)(iii), Subpart NNN: Compliance Certification
- 62 40CFR 63.1382(b)(5)(i), Subpart NNN: Compliance Certification
- 63 40CFR 63.1382(b)(5)(ii), Subpart NNN: Compliance Certification
- 64 40CFR 63.1382(b)(5)(iii), Subpart NNN: Compliance Certification
- 65 40CFR 63.1383(a), Subpart NNN: Compliance Certification
- 66 40CFR 63.1383(a), Subpart NNN: Compliance Certification
- 67 40CFR 63.1383(f), Subpart NNN: Compliance Certification
- 68 40CFR 63.1383(g), Subpart NNN: Compliance Certification
- 69 40CFR 63.1383(g), Subpart NNN: Compliance Certification
- 70 40CFR 63.1383(l), Subpart NNN: Compliance Certification
- 71 40CFR 63.1383(m), Subpart NNN: Compliance Certification
- 72 40CFR 63.1384, Subpart NNN: Compliance Certification
- 73 40CFR 63.1384, Subpart NNN: Compliance Certification
- 74 40CFR 63.1386, Subpart NNN: Compliance Certification
- 75 40 CFR Part 64: Compliance Certification
- 76 40 CFR Part 64: Compliance Certification
- 77 40 CFR Part 64: Compliance Certification
- 78 40 CFR 64.8: Compliance Certification
- 79 40 CFR 64.8: Compliance Certification
- 80 40 CFR 64.8: Compliance Certification
- 81 40 CFR Part 70: Compliance Certification

Emission Unit Level

- 82 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 83 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
- 84 6 NYCRR Subpart 201-7: Emission Unit Permissible Emissions
- 85 6 NYCRR Subpart 201-7: Process Permissible Emissions

EU=U-00001

- *86 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=U-00002

- *87 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *88 6 NYCRR Subpart 201-7: Capping Monitoring Condition



*89 6 NYCRR Subpart 201-7: Capping Monitoring Condition
90 40CFR 63.1383(c), Subpart NNN: Compliance Certification
91 40CFR 63.1383(c), Subpart NNN: Compliance Certification
92 40 CFR Part 64: Compliance Certification
93 40 CFR Part 64: Compliance Certification

EU=U-00003

*94 6 NYCRR Subpart 201-7: Capping Monitoring Condition
95 40 CFR Part 64: Compliance Certification
96 40 CFR Part 64: Compliance Certification

EU=U-00003,Proc=FZ1,ES=FZ1SS

97 40 CFR Part 64: Compliance Certification
98 40 CFR Part 64: Compliance Certification

EU=U-00003,Proc=FZ1,ES=FZ2SS

99 40 CFR Part 64: Compliance Certification
100 40 CFR Part 64: Compliance Certification

EU=U-00003,Proc=FZ1,ES=FZ5SS

101 40 CFR Part 64: Compliance Certification
102 40 CFR Part 64: Compliance Certification

EU=U-00003,Proc=FZ1,ES=FZ6SS

103 40 CFR Part 64: Compliance Certification
104 40 CFR Part 64: Compliance Certification

EU=U-00003,Proc=FZ2,ES=FZ3SS

105 40 CFR Part 64: Compliance Certification
106 40 CFR Part 64: Compliance Certification

EU=U-00003,Proc=FZ2,ES=FZ4SS

107 40 CFR Part 64: Compliance Certification
108 40 CFR Part 64: Compliance Certification

EU=U-00003,Proc=FZ2,ES=FZEP1

109 40 CFR Part 64: Compliance Certification
110 40 CFR Part 64: Compliance Certification

EU=U-00003,Proc=FZ2,ES=FZEP2

111 40 CFR Part 64: Compliance Certification
112 40 CFR Part 64: Compliance Certification

EU=U-00003,EP=00005,Proc=CO1,ES=DM1AB

113 40CFR 63.1382(b)(6), Subpart NNN: Compliance Certification

EU=U-00006

114 6 NYCRR 229.3 (e) (2) (iv): VOL storage tanks from 10000 - 20000 gallons
115 6 NYCRR 229.3 (e) (2) (v): VOL storage tanks less than 10000 gallons

EU=U-00007,EP=00027,Proc=BDR,ES=BINDR

116 40CFR 63.1382(b)(9), Subpart NNN: Compliance Certification



117 40CFR 63.1382(b)(10), Subpart NNN: Compliance Certification
118 40CFR 63.1382(b)(10), Subpart NNN: Compliance Certification

EU=U-00008

*119 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=U-00009

*120 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=U-00010

*121 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=U-00012

*122 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*123 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*124 6 NYCRR Subpart 201-7: Capping Monitoring Condition
125 40CFR 63.1383(c), Subpart NNN: Compliance Certification
126 40CFR 63.1383(c), Subpart NNN: Compliance Certification
127 40 CFR Part 64: Compliance Certification
128 40 CFR Part 64: Compliance Certification

EU=U-00013,EP=00017,Proc=FC2,ES=DM2AB

129 40CFR 63.1382(b)(6), Subpart NNN: Compliance Certification

EU=U-00013,EP=00017,Proc=FC2,ES=DM2DB

130 40 CFR Part 64: Compliance Certification

EU=U-00017

*131 6 NYCRR Subpart 201-7: Capping Monitoring Condition

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

132 ECL 19-0301: Contaminant List
133 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
134 6 NYCRR 211.2: Air pollution prohibited
135 6 NYCRR 220-2.3 (a): Compliance Demonstration
136 6 NYCRR 231-11.2 (b): Compliance Demonstration

Emission Unit Level

EU=U-00005,Proc=AA1

137 6 NYCRR 211.2: Compliance Demonstration

EU=U-00010

138 6 NYCRR 211.2: Compliance Demonstration

EU=U-00015,Proc=AA2

139 6 NYCRR 211.2: Compliance Demonstration

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

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

- (1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
- (2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
- (3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

Item 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 201-6.3 (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 201-6.3 (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 201-6.5 (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 201-6.5 (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 201-6.5 (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 201-6.5 (a) (6)

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



Item I: Severability - 6 NYCRR 201-6.5 (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 201-6.5 (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 201-6.5 (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 11/05/2010 and 11/04/2015

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 2: Fees
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (7)

Item 2.1:

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 3: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (c)

Item 3.1:



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

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

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement: 6 NYCRR 201-6.5 (c) (2)

Item 4.1:

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

Condition 5: Compliance Certification

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement: 6 NYCRR 201-6.5 (c) (3) (ii)

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Submit reports of any required monitoring at a minimum



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

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

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.
- (4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A



written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(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 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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



Condition 6: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement: 6 NYCRR 201-6.5 (e)

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.
- iv. All compliance certifications shall be submitted to

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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
1130 North Westcott Road
Schenectady, NY 12306-2014

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 10/30/2011.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:
The Compliance Certification activity will be performed for the Facility.

Item 7.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251



Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

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

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

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

Condition 9: Open Fires - Prohibitions
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

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

Item 9.2

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke



producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.

(h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.

(i) Prescribed burns performed according to Part 194 of this Title.

(j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.

(k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.

(l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

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

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

**Condition 10: Maintenance of Equipment
Effective between the dates of 11/05/2010 and 11/04/2015**

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of 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 11: Recycling and Salvage
Effective between the dates of 11/05/2010 and 11/04/2015**

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

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



Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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

Condition 13: Exempt Sources - Proof of Eligibility

Effective between the dates of 11/05/2010 and 11/04/2015

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

Item 13.1:

The owner and/or operator of an emission source or unit that is eligible to be exempt may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 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.

Condition 14: Trivial Sources - Proof of Eligibility

Effective between the dates of 11/05/2010 and 11/04/2015

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

Item 14.1:

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

Condition 15: Standard Requirement - Provide Information

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (4)

Item 15.1:

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



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 201-6.6 shall not apply to any change made pursuant to this paragraph.

Condition 19: Required Emissions Tests
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 19.1:

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

Condition 20: Visible Emissions Limited
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR 211.3

Item 20.1:

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 21: Accidental release provisions.
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 68

Item 21.1:

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:

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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 22: Recycling and Emissions Reduction
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 82, Subpart F

Item 22.1:

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 23: Emission Unit Definition
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 23.1:

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

Emission Unit: U-00001

Emission Unit Description:

THIS EMISSION UNIT REPRESENTS THE DM-1
MIXED BATCH BIN, CONTAINS EMISSION POINT
00002 AND IS LOCATED IN BUILDING 1.

Building(s): 1

Item 23.2:

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

Emission Unit: U-00002

Emission Unit Description:

THIS UNIT REPRESENTS THE DM-1 OXY-FUEL
MELTER, CONTAINS EMISSION POINTS 00100 AND
00101, AND IS LOCATED IN BUILDING 1.
EMISSION POINT 00100 FEEDS INTO THE NEW,
COMMON STACK, EMISSION POINT 00300.



EMISSION POINT 00101 IS USED STRICTLY FOR DEP EMERGENCY SHUTDOWN, MAINTENANCE, OR MALFUNCTION. WHEN A BYPASS SITUATION OCCURS IT IS BEST PRACTICE TO KEEP THE FURNACE IN A CONDITION OF THERMAL STABILITY BY MAINTAINING ITS PULL RATE. SHUTTING IT OFF OR EVEN RESTRICTING THE MOLTEN GLASS OUTPUT FOR THIS TYPE OF FURNACE AS A PERCEIVED MEANS OF REDUCING EMISSIONS CAN THERMALLY SHOCK THE FURNACE REFRACTORY RESULTING IN FAILURE OR REDUCED LIFE OF THE CAPITAL ASSET. BY REDUCING THE SURFACE AREA AND THICKNESS OF THE INSULATING CRUST OF THE UNMELTED BATCH CAN ALSO RESULT IN ACTUALLY INCREASED EMISSIONS.

Building(s): 1

Item 23.3:

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

Emission Unit: U-00003

Emission Unit Description:

THIS UNIT REPRESENTS THE DM-1 MIXING CHAMBER, FORMING ZONES, CURING OVEN, COOLING SECTION, STRIPPING SECTION AND THE MIST CONTROL SYSTEM FOR THE FORMING BASEMENT, WHICH CONTAINS EMISSION POINTS 00005, 00006, 00022, 00102, 00103, 00104, AND 00105, LOCATED IN BUILDING 1.

Building(s): 1

Item 23.4:

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

Emission Unit: U-00005

Emission Unit Description:

THIS UNIT REPRESENTS THE DM-1 ASPHALT APPLICATOR AND FLEXOGRAPHIC PRINTING, WHICH CONTAINS EMISSION POINT 00013, AND IS LOCATED IN BUILDING 1.

Building(s): 1

Item 23.5:

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

Emission Unit: U-00006

Emission Unit Description:

THIS UNIT REPRESENTS FACILITY STORAGE TANKS INCLUDING RED DYE, ASPHALT, PROCESS OIL, UREA, UREA DILUTION, AND NORTH AND SOUTH RESIN TANKS. THIS UNIT CONTAINS EMISSION POINTS 00007, 00008, 00009, 00010,



00012, 00020, 00024. EMISSION POINTS 00007 AND 00008 ARE LOCATED IN BUILDING 1 AND EMISSION POINTS 00009 THROUGH 00012, 00020 AND 00024 ARE LOCATED IN BUILDING 2. AS PART OF THE CONVERSION TO A STARCH-BASED BINDER SYSTEM, THERE ARE TWO NEW MALTODEXTRIN TANKS (AT 15,227 GALLONS EACH), AND THE EXISTING 13,900 GALLON TANK WILL BE MODIFIED TO STORE SODIUM HYDROXIDE. IN ADDITION, THERE ARE TWO NEW STORAGE TANKS (A SODIUM HYPOPHOSPHITE TANK AT 6,189 GALLONS AND A CITRIC ACID TANK AT 8,225 GALLONS) THAT ARE BELOW THE EXEMPTION LEVELS NOTED IN 6 NYCRR 201-3.2(C)(25) AND, THEREFORE, ARE NOT REQUIRED TO BE INDIVIDUALLY LISTED ELSEWHERE IN THIS PERMIT.

Building(s): 1
2

Item 23.6:

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

Emission Unit: U-00007

Emission Unit Description:

THIS UNIT REPRESENTS THE BINDER ROOM, WHICH CONTAINS EMISSION POINT 00027, AND IS LOCATED IN BUILDING 1. FOUR NEW STORAGE TANKS (ONE BINDER MIX TANK AT 917 GALLONS AND THREE BINDER CIRCULATION TANKS AT 1,202 GALLONS EACH) ARE BEING ADDED AS PART OF THE CONVERSION TO A STARCH-BASED BINDER SYSTEM. ALL OF THESE TANKS HAVE CAPACITIES BELOW THE EXEMPTION LEVELS NOTED IN 6 NYCRR 201-3.2(C)(25) AND, THEREFORE, ARE NOT REQUIRED TO BE INDIVIDUALLY LISTED ELSEWHERE IN THIS PERMIT.

Building(s): 1

Item 23.7:

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

Emission Unit: U-00008

Emission Unit Description:

THIS UNIT REPRESENTS DM-1 BAGGING EQUIPMENT, WHICH CONTAINS EMISSION POINTS 00030 AND 00031, AND IS LOCATED IN BUILDING 1.

Building(s): 1

Item 23.8:

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

Emission Unit: U-00009

Emission Unit Description:

THIS UNIT REPRESENTS THE DM-1 CONDITIONING AND FOREHEARTH AREA WHICH CONTAINS EMISSION POINT 00035, AND IS LOCATED IN BUILDING 1.

Building(s): 1

Item 23.9:

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

Emission Unit: U-00010

Emission Unit Description:

THIS UNIT REPRESENTS MISCELLANEOUS FUGITIVE EMISSION SOURCES INCLUDING: 2 INK JET PRINTERS, A WASH WATER SYSTEM, AGGREGATE CULLET STORAGE PILE, AND UNLOADING AND MIXING OF GLASS BATCH MATERIAL. THE WASH WATER SYSTEM IS LOCATED IN BUILDING 1, THE AGGREGATE CULLET STORAGE PILE IS LOCATED IN BUILDING 4, AND THE UNLOADING AND MIXING OF GLASS BATCH MATERIAL IS LOCATED IN BUILDING 3. TWO NEW STORAGE TANKS (A HOOD WALL WASH WATER RECIRCULATION TANK AT 2,000 GALLONS AND A BINDER MAKE-UP WATER TANK AT 1,737 GALLONS) ARE BEING ADDED AS PART OF THE CONVERSION TO A STARCH-BASED BINDER SYSTEM. THESE TWO TANKS HAVE CAPACITIES BELOW THE EXEMPTION LEVELS NOTED IN 6 NYCRR 201-3.2(C)(25) AND, THEREFORE, ARE NOT REQUIRED TO BE INDIVIDUALLY LISTED ELSEWHERE IN THIS PERMIT.

Building(s): 1
3
4

Item 23.10:

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

Emission Unit: U-00011

Emission Unit Description:

THIS UNIT REPRESENTS THE DM2 MIXED BATCH BIN, WHICH CONTAINS EMISSION POINT 00014, AND IS LOCATED IN BUILDING 1.

Building(s): 1

Item 23.11:

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

Emission Unit: U-00012

Emission Unit Description:



THIS EMISSION UNIT REPRESENTS THE DM2 OXY FUEL MELTER, CONTAINS EMISSION POINTS 00200, 000201 AND IS LOCATED IN BUILDING 1. EMISSION POINT 00200 FEEDS INTO THE COMMON STACK, EMISSION POINT 00300. EMISSION POINT 00201 IS USED STRICTLY FOR DEP EMERGENCY SHUTDOWN, MAINTENANCE, OR MALFUNCTION. WHEN A BYPASS SITUATION OCCURS IT IS BEST PRACTICE TO KEEP THE FURNACE IN A CONDITION OF THERMAL STABILITY BY MAINTAINING ITS PULL RATE. SHUTTING IT OFF OR EVEN RESTRICTING THE MOLTEN GLASS OUTPUT FOR THIS TYPE OF FURNACE AS A PERCEIVED MEANS OF REDUCING EMISSIONS CAN THERMALLY SHOCK THE FURNACE REFRACTORY RESULTING IN FAILURE OR REDUCED LIFE OF THE CAPITAL ASSET. BY REDUCING THE SURFACE AREA AND THICKNESS OF THE INSULATING CRUST OF UNMELTED BATCH SUCH ACTIONS CAN ALSO ACTUALLY INCREASE EMISSIONS.

Building(s): 1

Item 23.12:

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

Emission Unit: U-00013

Emission Unit Description:

THIS UNIT REPRESENTS THE DM2 MIXING CHAMBER, WHICH CONTAINS EMISSION POINT 00017, AND IS LOCATED IN BUILDING 1.

Building(s): 1

Item 23.13:

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

Emission Unit: U-00014

Emission Unit Description:

THIS UNIT REPRESENTS THE DM2 COOLING AREA, COMPRISED OF DM2 SMOKE STRIPPER AND DM2 COOLING SECTION. THIS UNIT CONTAINS EMISSION POINT 00018 AND 00021, AND IS LOCATED IN BUILDING 1.

Building(s): 1

Item 23.14:

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

Emission Unit: U-00015

Emission Unit Description:

THIS UNIT REPRESENTS THE DM2 ASPHALT APPLICATOR AND FLEXOGRAPHIC PRINTING, WHICH CONTAINS EMISSION POINT 00019, AND IS



LOCATED IN BUILDING 1.

Building(s): 1

Item 23.15:

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

Emission Unit: U-00016

Emission Unit Description:

THIS UNIT REPRESENTS THE DM2 BAGGING EQUIPMENT, WHICH CONTAINS EMISSION POINT 00032, AND IS LOCATED IN BUILDING 1.

Building(s): 1

Item 23.16:

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

Emission Unit: U-00017

Emission Unit Description:

THIS UNIT REPRESENTS THE PENCIONE COLLECTORS 1,2,3 AND 4 WHICH CONTAINS EMISSION POINT 00028 AND 00029, AND IS LOCATED IN BUILDING 1.

Building(s): 1

Item 23.17:

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

Emission Unit: U-00018

Emission Unit Description:

THIS UNIT REPRESENTS THE DM2 CONDITIONING AREA, WHICH CONTAINS EMISSION POINT 00036, AND IS LOCATED IN BUILDING 1.

Building(s): 1

Condition 24: Non Applicable requirements

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (g)

Item 24.1:

This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

40 CFR 60.680

Reason: Currently, both the DM-1 and DM-2 manufacturing lines are not subject to 40 CFR 60, Supart PPP (40 CFR 60.680 or NSPS PPP) - Standard of Performance for Wool Fiberglass Insulation Manufacturing Plants. The proposed binder change project to a starch-based binder will not trigger the applicability of NSPS PPP for either the DM-1 or DM-2



manufacturing lines. Applicability of NSPS PPP is for rotary spin wool fiberglass insulation manufacturing lines that commence construction, modification or reconstruction after February 7, 1984. 40 DFR 60.14 defines modification as any physical change or operational change to an existing facility which results in an increase in the emission rate to the atmosphere of any pollutant to which a standard applies, where the emission rate is required to be expressed as kg/hour. In other words, the NSPS modification provisions apply an hourly emissions rate test to determine whether an emissions increase results from a physical or operational change. Pursuant to longstanding USEPA interpretations, the emission rate before and after a physical or operational change is evaluated at each unit by comparing the hourly potential emissions under current maximum capacity to hourly emissions at maximum capacity after the change.

The binder change project will not increase the hourly bare glass production rate of any of the affected manufacturing lines. A comparison by the facility of the standardized emission factor data applicable prior to the binder change with emission factor data obtained from stack tests performed during starch-based binder trials at the OCIS facility in Eloy, AZ demonstrates that the maximum hourly particulate matter emissions will not increase as a result of the binder change project. Therefore, both the DM-1 and DM-2 manufacturing lines will remain not subject to NSPS PPP.

40 CFR 63.820

Emission Unit: U00015 Process: FG2

Reason: This standard covers wide web flexographic printing. Although the facility does use flexographic printing, it does not qualify as wide web. In all cases, the printing face is less than 18 inches wide.

Condition 25: Capping Monitoring Condition
Effective between the dates of 11/05/2010 and 11/04/2015

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:

6 NYCRR Subpart 231-6

Item 25.2:

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



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:
The Compliance Certification applies to:

Emission Unit: U-00003
Process: BP1

Emission Unit: U-00003
Process: CO1

Emission Unit: U-00003
Process: CS1

Emission Unit: U-00003
Process: FZ1

Emission Unit: U-00003
Process: FZ2

Emission Unit: U-00003
Process: ME1

Emission Unit: U-00003
Process: SS1

Emission Unit: U-00013
Process: FC2

Emission Unit: U-00014



Process: CS2

Emission Unit: U-00014
Process: SC2

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 25.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Within 180 days of commencing implementation of the starch-based binder formulation, the facility owner or operator shall conduct VOC emission testing/analysis on the forming, curing, and cooling sections of each manufacturing line (DM-1 and DM-2) in order to establish associated emission factors in pounds of VOC per pound of binder solids applied. Such emission factors will be used for determining the maximum binder solids application rate (tons of binder solids applied per year) necessary to maintain emissions to less than the VOC emissions limit for the binder change project as set forth elsewhere in this permit. An acceptable VOC testing protocol must be submitted to the department at least thirty (30) days prior to conducting such testing. Testing/analysis results must be reported to the department within thirty (30) days following the completion of the testing. The testing results must also be included in the semi-annual reporting and annual compliance certification required in this permit.

While submission of an acceptable testing protocol is required as explained above, the facility anticipates using the following method for the testing of VOC emissions from the new starch-based binder formulation:

The method consists of a Method 5E (or equivalent) sampling train configured for total organic carbon (TOC) analysis of the back half, combined with a Method 25A (or equivalent) analyzer on a portion of the airstream exiting the Method 5E impinger train.

The 0.1 N NaOH impinger contents of the Method 5E train can be analyzed for TOC, following the protocol described in Method 5E. In addition, a portion of the impinger catch can be analyzed using methods such as Gas Chromatography with Flame Ionization Detection (GC-FID) where analytes are known. A portion of the 0.1 N NaOH



impinger catch can also be extracted and analyzed by Gas Chromatography-Mass Spectrometry to permit identification of compounds, similar to EPA Method 8270, a water method for determining semi-volatiles. Finally, ion chromatography can be applied to the impinger catch to separate analytes such as formic acid and acetic acid. Other techniques are possible, depending upon the nature of the analytes. Polar and semi-volatile compounds will be collected by the 0.1 N NaOH impinger train. These analysis tools will establish a typical mass to carbon ratio. Once a typical mass to carbon ratio for the Method 5E catch is established, it will be used to apply to the Method 5E results when future VOC testing is required. Results will be stated as lb/hr VOC.

Non-polar compounds, such as light hydrocarbons will not be collected, and they will be measured by the Method 25A FID train. The Method 25A FID train will be calibrated as propane and the results specified as lb/hr VOC. Corrections for methane or ethane will be made before the results are specified.

Total VOC emissions will be the sum of the Method 5E results and the Method 25A results specified as lb/hr VOC.

The following calculation will be used for the scaling factor determination of the hourly VOC rate:

Given the following:

- Molecular weight of each known compound
 - Number of carbons in each known compound
 - Mass of each compound
- 1) Calculate the mass of carbon contributed by each compound
 - 2) Sum up the total mass of carbon
 - 3) Calculate the percentage (%) of total mass contributed by each compound
 - 4) Calculate the carbon to mass ratio for each compound (scaling factor for that individual compound)
 - 5) Calculate the contribution to the scaling factor of each compound by multiplying the individual mass to carbon ratio by its percentage (%) of the total mass
 - 6) Sum up all the individual contributions to obtain the scaling factor for the mix

Reference Test Method: Method 5E and Method 25A (or approved equivalent)
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



Reports due 30 days after the reporting period.
The initial report is due 4/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 26: Capping Monitoring Condition
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 26.1:

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:

6 NYCRR Subpart 231-6

Item 26.2:

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

Item 26.3:

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 26.4:

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 26.5:

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 26.6:

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

Emission Unit: U-00003
Process: BP1

Emission Unit: U-00003
Process: CO1

Emission Unit: U-00003



Process: CS1

Emission Unit: U-00003
Process: FZ1

Emission Unit: U-00003
Process: FZ2

Emission Unit: U-00003
Process: ME1

Emission Unit: U-00003
Process: SS1

Emission Unit: U-00006
Process: 212

Emission Unit: U-00006
Process: 229

Emission Unit: U-00006
Process: MSH

Emission Unit: U-00007
Process: BDR

Emission Unit: U-00010
Process: FES

Emission Unit: U-00013
Process: FC2

Emission Unit: U-00014
Process: CS2

Emission Unit: U-00014
Process: SC2

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 26.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The purpose of this cap is to limit the VOC emissions increase from all process sources affected by the starch-based binder change project to less than the 6 NYCRR Part 231 significant project threshold of 40 tons per year, thereby avoiding the lowest achievable emission



rate and offset requirements of 6 NYCRR 231-6. Therefore, the increase in potential VOC emissions from the affected process sources associated with this project will be limited to no more than 39 tons per year. When added to the two-year average baseline emissions of 59.78 tpy (from the 2005-2006 facility emissions statements) for the affected process sources, the total VOC emissions from the affected process sources shall not exceed 98.78 tons per year, as a rolling 12-month average.

To demonstrate compliance with the rolling 12-month average VOC emissions limit of 98.78 tons per year, an approach to develop a limitation on the amount of corresponding binder solids will be used (where binder solids is defined as all binder ingredients that are not water). As described elsewhere in this permit, VOC emissions testing will be conducted on the forming, curing, and cooling sections of the DM-1 and DM-2 manufacturing lines following the completion of the binder change project. The results of the VOC testing for the forming, curing, and cooling sections will be summed and normalized based on the binder solids application rates during the tests, such that an emission factor in pounds of VOC emitted per pound of binder solids applied (lb VOC/lb binder solids applied) will be established for each manufacturing line. The rolling 12-month average VOC emissions limit of 98.78 tons per year will then be divided by the sum of line-specific emission factors to determine the maximum binder solids application rate (tons of binder solids applied per year) that will be allowed in order to maintain emissions to less than the VOC emissions limit of 98.78 tons per year.

The detailed calculation approach in support of this capping monitoring condition is delineated in a July 2010 amendment to "Appendix F - VOC Documentation" of the facility application for a Title V permit modification addressing the starch-based binder change project which was submitted to the Department in December 2009.

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 4/30/2011.

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

Condition 27: Notification

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR 202-1.2



Item 27.1:

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

Condition 28: Acceptable procedures - Stack test report submittal
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR 202-1.3

Item 28.1:

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

Condition 29: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR Part 212

Item 29.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000050-00-0	FORMALDEHYDE
CAS No: 000630-08-0	CARBON MONOXIDE
CAS No: 007664-41-7	AMMONIA
CAS No: 0NY210-00-0	OXIDES OF NITROGEN
CAS No: 0NY998-00-0	VOC

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

AS OF 11/30/00, THE DEPARTMENT HAS REVIEWED THE FOLLOWING DOCUMENTS AND FIND THEM TO BE ACCEPTABLE:
RACT-VOC FROM MIXING CHAMBERS AND FORMING SECTIONS, 8/00 (REFERENCE PART 212.10(c)(4)(i))
RACT-NOX FROM MIXING CHAMBERS, FORMING SECTIONS AND OXY-FUEL FURNACES, 8/00 (REFERENCE PART 212.10(c)(3))
BACT-AMMONIA FROM MIXING CHAMBERS AND FORMING SECTIONS, 8/00 (REFERENCE PART 212.5(d))
BACT-FORMALDEHYDE AND VOC FROM MIXING CHAMBERS AND FORMING SECTIONS, 8/00 (REFERENCE 212.5(d))

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BACT-CO FROM MIXING CHAMBERS, 7/99
(REFERENCE 212.5(d))

THEREFORE THE BACT ANALYSES ARE APPROVED.
THE RACT ANALYSIS HAVE BEEN SUBMITTED TO
EPA AS A SIP REVISION.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 30: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR 212.4 (a)

Item 30.1:

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

Emission Unit: U-00002

Emission Unit: U-00012

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

CAS No: 0NY998-00-0 VOC

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EXCEPT AS REQUIRED UNDER SECTION 201.8
OF THIS TITLE AND AS APPROVED IN THE
FACILITY'S VOC BACT EVALUATION REPORT
DATED AUGUST 2000, NO PERSON SHALL CAUSE
OR ALLOW EMISSIONS THAT EXCEED THE
APPLICABLE PERMISSIBLE EMISSION RATE AS
DETERMINED FROM TABLE 2 OF THIS PART FOR
THE ENVIRONMENTAL RATING ISSUED BY THE
COMMISSIONER. (TABLE 4 FOR THE GLASS
PRODUCTION FURNACES IS LESS STRINGENT
THAN THE 40 CFR 52.21 FURNACE PARTICULATE
CAPS AND THEREFORE THE CAPS GOVERN. TABLE
4: DM-1: 14.5 LB/HR; DM-2: 13.9 LB/HR.
CAPS: DM-1: ~ 3.5 LB/HR; DM-2: ~2.2
LB/HR.)

Monitoring Frequency: SEMI-ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

The permittee will conduct daily observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will 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. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

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 4/30/2011.

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

Condition 33: Compliance Certification

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR 228-1.3 (a)

Item 33.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005

Emission Point: 00013

Process: AA1

Emission Source: DM1AA

Emission Unit: U-00015

Emission Point: 00019

Process: AA2

Emission Source: DM2AA

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

COATING VOC CONTENT, MINUS WATER AND EXCLUDED VOC AT APPLICATION IS LIMITED. MSDSs MAY BE USED TO DETERMINE COMPLIANCE.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: COATING

Parameter Monitored: VOC CONTENT

Upper Permit Limit: 2.9 pounds per gallon

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

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 4/30/2011.

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

Condition 34: Compliance Certification

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR 228-1.5 (a)

Item 34.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005

Emission Point: 00013

Process: AA1

Emission Source: DM1AA



Emission Unit: U-00015 Emission Point: 00019
Process: AA2 Emission Source: DM2AA

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any emission source subject to 6NYCRR Part 228 must maintain and, upon request, provide the Department with a certification from the coating supplier/manufacturer which verifies the parameters used to determine the actual VOC content of each as applied coating, (VOC)a, used at the facility. In addition, purchase, usage and/or production records of the coating material, including solvents, must be maintained in a format acceptable to the Department and, upon request, these records must be submitted to the Department. Any facility required to perform the overall removal efficiency calculation, must maintain records to verify the parameters used in the calculation. A facility owner or operator must maintain a record that identifies each air cleaning device that has an overall removal efficiency of at least 85 percent. Any additional information required to determine compliance must be provided to the Department in a format acceptable to the Department.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 35: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR 228-1.10

Item 35.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005 Emission Point: 00013
Process: AA1 Emission Source: DM1AA

Emission Unit: U-00015 Emission Point: 00019
Process: AA2 Emission Source: DM2AA

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- items or areas observed
- corrective measures taken, if necessary

Monitoring Frequency: DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 36: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement: 6 NYCRR 234.3 (a) (1) (i)

Item 36.1:

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

Emission Unit: U-00005 Emission Point: 00013
Process: FG1 Emission Source: DM1FG

Emission Unit: U-00015 Emission Point: 00019
Process: FG2 Emission Source: DM2FG

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

A packaging rotogravure, publication rotogravure, or flexographic printing process that uses ink, coating or adhesive containing VOC shall not operate if it: is located in a severe ozone non-attainment area; has an annual potential to emit VOC of 25 tons per year or more; or is located in a facility that has an annual potential to emit VOC of 50 tons per year or more, unless the printing process uses an ink, coating or adhesive with a low VOC content equal to or less than 0.16 kilograms of VOC per kilogram of ink, coating or adhesive as applied (0.16 kg VOC/ kg material as applied).

VOC content limits can be met by averaging the VOC content of materials used on a single press (i.e., within a line).

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: INKS, SOLVENTS AND ADHESIVES
Parameter Monitored: VOC

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Upper Permit Limit: 0.16 kilograms VOC per kilogram as applied

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

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 4/30/2011.

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

Condition 37: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement: 6 NYCRR 234.5

Item 37.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A person shall not sell, specify, or require the application of a coating, ink or adhesive on a substrate if such activity is prohibited by any of the provisions of this Part. The prohibition of this section shall apply to all written or oral contracts under the terms of which a coating, ink or adhesive is to be applied to a substrate.

This prohibition shall not apply to the following:

(1) Ink, coating, or adhesive used in printing processes where control equipment has been installed to demonstrate compliance with this Part; or

(2) Ink, coating, or adhesive used in printing processes that have been granted variances for reasons of technological and economic feasibility per section 234.3(f) of this Part.

A person selling an ink, coating, or adhesive used in a printing process subject to this Part must, upon request, provide the buyer with certification of the VOC content of the coating, ink or adhesive supplied.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



The initial report is due 4/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 38: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR 234.6

Item 38.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An owner or operator of a facility subject to this Part shall not:

(a) Use open containers to store or dispose of cloth or paper impregnated with VOC or solvents that are used for surface preparation, cleanup or the removal of ink, coating or adhesive;

(b) Use open containers to store or dispose of spent or fresh VOC or solvents used for surface preparation, cleanup or the removal of ink, coating or adhesive;

(c) Use open containers to store, dispose or dispense ink, coating or adhesive unless production, sampling, maintenance or inspection procedures require operational access. This provision does not apply to the actual device or equipment designed for the purposes of applying an ink, coating or adhesive to a substrate.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 39: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR 234.7

Item 39.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Emission Unit: U-00005
Process: FG1

Emission Point: 00013
Emission Source: DM1FG

Emission Unit: U-00015
Process: FG2

Emission Point: 00019
Emission Source: DM2FG

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Purchase, use, and production records of ink, coating, adhesive, VOCs, solvent, fountain solution and cleaning material must be maintained in a format acceptable to the Department, and upon request, submitted to the Department. Any other information required to determine compliance with this Part must be provided to the Department in an acceptable format. Records must be maintained at the facility for five years.

The results of an analysis or other procedure used to establish compliance with this Part must be provided to the Department. Department representatives shall be permitted, during reasonable business hours, to obtain ink, coating, adhesive, cleaning material and fountain solution samples to determine compliance with this Part.

The owner or operator of a graphic art facility which is not subject to the control requirements of this Part because its annual potential to emit VOC or its total actual VOC emissions, whichever applies is below the applicability criteria, must maintain records in a format acceptable to the Department that verify the facility's annual potential to emit VOC or its total actual VOC emissions. Upon request, these records must be submitted to the Department.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 40: Compliance Certification

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR 234.8

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Item 40.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005

Process: FG1

Emission Point: 00013

Emission Source: DM1FG

Emission Unit: U-00015

Process: FG2

Emission Point: 00019

Emission Source: DM2FG

Item 40.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

A person shall not cause or allow emissions having an average opacity of 10 percent or greater for any consecutive six minute period from any emission source subject to this Part into the outdoor atmosphere.

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 41: Compliance Certification

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 60.110b(b), NSPS Subpart Kb

Item 41.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00006

Process: 229

Emission Point: 00020

Emission Source: REDST

Emission Unit: U-00006

Process: MSH

Emission Point: 00040

Emission Source: MALT1

Emission Unit: U-00006

Process: MSH

Emission Point: 00041

Emission Source: MALT2

Emission Unit: U-00006

Process: MSH

Emission Point: 00042

Emission Source: NAOH1

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC



Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A RECORD MUST BE KEPT OF THE STORAGE VESSEL DIMENSIONS AND CAPACITY. THERE ARE NO OTHER REQUIREMENTS FOR A TANK OF LESS THAN 20,000 GALLON DESIGN CAPACITY IN 40 CFR 60 Kb. THERE ARE NO REPORTING REQUIREMENTS.

THE VESSELS HAVE CAPACITIES AS FOLLOWS:
15,440 GALLONS (REDST), 15,227 GALLONS (MALT1), 15,227 GALLONS (MALT2), AND 13,900 GALLONS (NAOH1).

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 42: Prohibitions

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.4, Subpart A

Item 42.1:

The facility is required to comply with Part 63 requirements regardless of whether those requirements have been included in a Title V (6NYCRR part 201-6) permit for the source.

Intentional or unintentional concealment of an emission that would otherwise violate a standard is itself a violation.

Condition 43: Operations during startup, shutdown, and malfunction -

§63.6(e)(1)(i)-(iii)

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.6(e)(1), Subpart A

Item 43.1:

At all times, including during periods of startup, shutdown, and malfunction, the owner/operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. During a period of startup, shutdown, or malfunction, this general duty to minimize emissions requires that the owner/operator reduce emissions from the affected source to the greatest extent which is consistent with safety and good air pollution control practices. The general duty to minimize emissions during a period of startup, shutdown, or malfunction does not require the owner/operator to achieve emission levels that would be required by the applicable standard at other times if this is not consistent with



safety and good air pollution control practices, nor does it require the owner/operator to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the NYSDEC which may include, but is not limited to, monitoring results, review of operation and maintenance procedures (including the startup, shutdown, and malfunction plan required in §63.6(e)(6)), review of operation and maintenance records, and inspection of the source.

Malfunctions must be corrected as soon as practicable after their occurrence. To the extent that an unexpected event arises during a startup, shutdown, or malfunction, an owner/operator must comply by minimizing emissions during such a startup, shutdown, and malfunction event consistent with safety and good air pollution control practices.

Operation and maintenance requirements established pursuant to section 112 of the Clean Air Act are enforceable independent of emissions limitations or other requirements in relevant standards.

Condition 44: Startup, Shutdown and Malfunction
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.6(e)(3), Subpart A

Item 44.1:

The owner or operator of an applicable source shall develop and implement a written startup, shutdown and malfunction (SSM) plan that describes in detail procedures for operating and maintaining the source during periods of SSM and a program of corrective action for malfunctioning process and air pollution control equipment used to comply with the relevant standard. Consult 40 CFR 63.6(e)(3) (i through viii) for specific requirements regarding SSM plans.

Condition 45: 40 CFR 63.9 (b)(4) Construct/Reconstruct Notification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.9, Subpart A

Item 45.1:

Permittee must notify the Department of the intention to construct/reconstruct a new source, (Major sources must submit notification with application for approval), date of commencement and anticipated date of startup as described in 63.9 (b)(4). The Department must be notified of actual date of startup.

Condition 46: 40 CFR 63.9 (e) Performance Test Notification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.9, Subpart A

Item 46.1:

The owner or operator of an affected source shall notify the Administrator in writing of his or her intention to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin.

Condition 47: 40 CFR 63.9 (h) Notification of Compliance Status



Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.9, Subpart A

Item 47.1:

Within 60 days of the performance test for the applicable NESHAP, the source must submit a notification of compliance with the applicable rule along with the performance test data as described in 40 CFR 63.9 (h)(2)(ii).

Condition 48: § 63.10(b) General Recordkeeping Requirements
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.10, Subpart A

Item 48.1:

The owner or operator of an affected source subject to the provisions of this part shall maintain files of all information (including all reports and notifications) required by this part recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report or record. At a minimum the most recent 2 years of data shall be retained on site. The owner or operator of an affected source subject to the provisions of this part shall maintain relevant records for such source as described in 40 CFR 63.10 (b)(2).

Condition 49: §63.10(d) General Reporting Requirements
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.10, Subpart A

Item 49.1:

The owner or operator of an affected source subject to the reporting requirements under the general provisions shall submit reports to the Department in accordance with the reporting requirements in the relevant standards as described in 40 CFR 63.10 (d).

Condition 50: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.3320(b)(2), Subpart JJJJ

Item 50.1:

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

Emission Unit: U-00005
Process: AA1

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Emission Unit: U-00015
Process: AA2

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility must limit the organic HAP emissions to no more than 4% of the mass of coating materials applied for each month on and after December 5, 2005. Compliance shall be demonstrated using the provisions listed in §63.3370.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: COATING

Parameter Monitored: ORGANIC HAP CONTENT

Upper Permit Limit: 4 percent by weight

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: CALENDAR MONTH TOTAL

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 51: Compliance Certification

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.3320(b)(3), Subpart JJJJ

Item 51.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005
Process: AA1

Emission Unit: U-00015
Process: AA2

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 51.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility must limit the organic HAP emissions to no more than 20% of the mass of coating solids applied for each month on and after the compliance date of December 5, 2005. Compliance shall be demonstrated using the provisions listed in §63.3370.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: COATING

Parameter Monitored: ORGANIC HAP CONTENT

Upper Permit Limit: 20 percent by weight

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: CALENDAR MONTH TOTAL

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 52: Compliance Certification

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.3360(c), Subpart JJJJ

Item 52.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005

Process: AA1

Emission Unit: U-00015

Process: AA2

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the facility determines compliance with the emission limits in §63.3320 by means other than determining control efficiency of a control device, the facility must determine the organic HAP mass fraction of each coating material "as-purchased" by one of the following procedures:

- 1) The facility may test the coating material in



accordance with Method 311 of appendix A of 40CFR63. This determination may be done by the manufacturer of the coating material and the results provided to the owner/operator. The organic HAP content must be calculated according to the procedures and criteria in §63.3360(c)(1)(i)-(iii).

2) For coatings, the facility may determine the volatile organic content as mass fraction of nonaqueous volatile matter and use it as a substitute for organic HAP using Method 24 of 40CFR60, appendix A. This determination may be performed by the manufacturer of the coating and the results provided to the affected source.

3) The facility may use formulation data to determine the organic HAP mass fraction of a coating material. Formulation data may be provided to the owner/operator by the manufacturer of the material.

4) The facility must also determine the organic HAP mass fraction of each coating material "as-applied" by assuming the as-applied organic HAP mass fraction is equal to the as-purchased organic HAP mass fraction if the as-purchased coating is applied to the web without adding solvents or other materials. Otherwise, the as-applied organic HAP mass fraction must be calculated using Equation 1a of §63.3370.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 53: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.3400(b), Subpart JJJJ

Item 53.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005

Process: AA1

Emission Unit: U-00015

Process: AA2

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must submit an initial notification as required in §63.9(b).

1) Existing facilities must submit the initial notification no later than December 5, 2004.

2) New and reconstructed affected sources must submit the initial notification according to the appropriate schedule in §63.9(b).

3) For the purpose of Subpart JJJJ, a Title V or Part 70 permit application may be used in lieu of the initial notification required in §63.9(b). If the facility is using a permit application in lieu of an initial notification the permit application must be submitted by the same due date specified for the initial notification.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 54: Compliance Certification

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.3400(c)(1), Subpart JJJJ

Item 54.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00005

Process: AA1

Emission Unit: U-00015

Process: AA2

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must submit a semiannual compliance report according to the schedule below.



(i) The first compliance report must cover the period beginning on the compliance date that is specified for your affected source in Sec. 63.3330 and ending on June 30 or December 31, whichever date is the first date following the end of the calendar half immediately following the compliance date that is specified for your affected source in Sec. 63.3330.

(ii) The first compliance report must be post marked or delivered no later than July 31 or January 31, whichever date follows the end of the calendar half immediately following the compliance date that is

specified for your affected source in Sec. 63.3330.

(iii) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

(iv) Each subsequent compliance report must be post marked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(v) For each affected source that is subject to permitting regulations pursuant to 40 CFR part 70 or 40 CFR part 71, and the permitting authority has established dates for submitting semiannual reports pursuant to Sec. 70.6(a)(3)(iii)(A) or Sec. 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (i) through (iv) above.

Monitoring Frequency: SEMI-ANNUALLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 55: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.3400(c)(2), Subpart JJJJ

Item 55.1:

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

Emission Unit: U-00005
Process: AA1

Emission Unit: U-00015
Process: AA2



Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The compliance report must contain the information in paragraphs (i) through (vi) below:

(i) Company name and address.

(ii) Statement by a responsible official with that official's name, title, and signature certifying the accuracy of the content of the report.

(iii) Date of report and beginning and ending dates of the reporting period.

(iv) If there are no deviations from any emission limitations (emission limit or operating limit) that apply to the facility, a statement that there were no deviations from the emission limitations during the reporting period, and that no CMS was inoperative, inactive, malfunctioning, out-of-control, repaired, or adjusted.

(v) For each deviation from an emission limitation (emission limit or operating limit) that applies to the facility and that occurs at an affected source where the facility is not using a CEMS to comply with the emission limitations in this subpart, the compliance report must contain the information in paragraphs (i) through (iii) above, and:

(A) The total operating time of each affected source during the reporting period.

(B) Information on the number, duration, and cause of deviations (including unknown cause), if applicable, and the corrective action taken.

(C) Information on the number, duration, and cause for CPMS down time incidents, if applicable, other than down time associated with zero and span and other calibration checks.

(vi) For each deviation from an emission limit occurring at an affected source where the facility is using a CEMS to comply with the emission limit in this subpart, the facility must include the information in paragraphs (i) through (iii), above, and paragraphs (A) through (J) below.



(A) The date and time that each malfunction started and stopped.

(B) The date and time that each CEMS and CPMS, if applicable, was inoperative except for zero (low-level) and high-level checks.

(C) The date and time that each CEMS and CPMS, if applicable, was out-of-control, including the information in Sec. 63.8(c)(8).

(D) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period.

(E) A summary of the total duration (in hours) of each deviation during the reporting period and the total duration of each deviation as a percent of the total source operating time during that reporting period.

(F) A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.

(G) A summary of the total duration (in hours) of CEMS and CPMS down time during the reporting period and the total duration of CEMS and CPMS down time as a percent of the total source operating time during that reporting period.

(H) A breakdown of the total duration of CEMS and CPMS down time during the reporting period into periods that are due to monitoring equipment malfunctions, non monitoring equipment malfunctions, quality

assurance/quality control calibrations, other known causes, and other unknown causes.

(I) The date of the latest CEMS and CPMS certification or audit.

(J) A description of any changes in CEMS, CPMS, or controls since the last reporting period.

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 4/30/2011.

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

Condition 56: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.3410(a), Subpart JJJJ

Item 56.1:



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

Emission Unit: U-00005
Process: AA1

Emission Unit: U-00015
Process: AA2

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Each owner or operator of an affected source subject to this subpart must maintain the records specified in paragraphs (1) and (2), below, on a monthly basis in accordance with the requirements of Sec. 63.10(b)(1):

(1) Records specified in Sec. 63.10(b)(2) of all measurements needed to demonstrate compliance with this standard, including:

- (i) Continuous emission monitor data in accordance with the requirements of Sec. 63.3350(d);
- (ii) Control device and capture system operating parameter data in accordance with the requirements of Sec. 63.3350(c), (e), and (f);
- (iii) Organic HAP content data for the purpose of demonstrating compliance in accordance with the requirements of Sec. 63.3360(c);
- (iv) Volatile matter and coating solids content data for the purpose of demonstrating compliance in accordance with the requirements of Sec. 63.3360(d);
- (v) Overall control efficiency determination using capture efficiency and control device destruction or removal efficiency test results in accordance with the requirements of Sec. 63.3360(e) and (f); and
- (vi) Material usage, organic HAP usage, volatile matter usage, and coating solids usage and compliance demonstrations using these data in accordance with the requirements of Sec. 63.3370(b), (c), and (d).

(2) Records specified in Sec. 63.10(c) for each CMS operated by the owner or operator in accordance with the requirements of Sec. 63.3350(b).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 57: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.1382(a)(1), Subpart NNN

Item 57.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00002

Emission Unit: U-00012

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions shall not be discharged in excess of the below limit. A stack test is required at the frequency below. Units are lb/ton of glass pulled. (For emission unit U00012, the 40 CFR 52 A 21 cap overrides the 40 CFR 63 NNN 0.5 lbs/ton of glass limit. The cap limit is approximately equivalent to 0.336 lb/ton of glass (Method 5)). This condition only applies to the application of the existing phenol-formaldehyde based binder and not to the application of the new starch-based binder system.

Upper Permit Limit: 0.5 pounds per ton

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 58: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.1382(a)(2), Subpart NNN

Item 58.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:



Emission Unit: U-00003	Emission Point: 00005
Emission Unit: U-00003	Emission Point: 00006
Emission Unit: U-00003	Emission Point: 00102
Emission Unit: U-00003	Emission Point: 00103
Emission Unit: U-00013	Emission Point: 00017
Emission Unit: U-00014	Emission Point: 00018
Emission Unit: U-00014	Emission Point: 00021

Regulated Contaminant(s):
CAS No: 000050-00-0 FORMALDEHYDE

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions shall not be discharged in excess of the limit below. A stack test is required at the frequency below. Units are lb/ton of glass pulled. This condition only applies to the application of the existing phenol-formaldehyde based binder and not to the application of the new starch-based binder system.

Upper Permit Limit: 1.2 pounds per ton

Reference Test Method: Method 316 or Method 318

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 59: Compliance Certification

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement: 40CFR 63.1382(b)(2)(i), Subpart NNN

Item 59.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00002

Emission Unit: U-00012

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

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

CORRECTIVE ACTION SHALL BE INITIATED WITHIN 1 HOUR, WHEN ANY 3-HOUR BLOCK AVERAGE OF A MONITORED ELECTROSTATIC PRECIPITATOR (ESP) PARAMETER IS OUTSIDE THE PARAMETRIC RANGE. CORRECTIVE ACTION SHALL BE COMPLETED IN A TIMELY MANNER ACCORDING TO THE PROCEDURES IN THE OPERATIONS, MAINTENANCE, AND MONITORING (OMM) PLAN. THIS CONDITION ONLY APPLIES TO THE APPLICATION OF THE EXISTING PHENOL-FORMALDEHYDE BASED BINDER AND NOT TO THE APPLICATION OF THE NEW STARCH-BASED BINDER 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 4/30/2011.

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

Condition 60: Compliance Certification

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.1382(b)(2)(ii), Subpart NNN

Item 60.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00002

Emission Unit: U-00012

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A QUALITY IMPROVEMENT PLAN (QIP) SHALL BE IMPLEMENTED (CONSISTENT WITH THE CAM PROVISIONS OF 40 CFR 64, SUBPART D) WHEN THE MONITORED ESP PARAMETERS ARE OUTSIDE THE LIMITS ESTABLISHED DURING THE MOST

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Condition 62: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.1382(b)(5)(i), Subpart NNN

Item 62.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

CORRECTIVE ACTION SHALL BE INITIATED WITHIN 1 HOUR WHEN THE AVERAGE GLASS PULL RATE OF ANY 4-HOUR BLOCK PERIOD EXCEEDS THE AVERAGE GLASS PULL RATE ESTABLISHED DURING THE MOST RECENT STACK TEST BY GREATER THAN 20%. CORRECTIVE ACTIONS SHALL BE COMPLETED IN A TIMELY MANNER ACCORDING TO THE PROCEDURES IN THE OMM PLAN. THIS CONDITION ONLY APPLIES TO THE APPLICATION OF THE EXISTING PHENOL-FORMALDEHYDE BASED BINDER AND NOT TO THE APPLICATION OF THE NEW STARCH-BASED BINDER SYSTEM.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 63: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.1382(b)(5)(ii), Subpart NNN

Item 63.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



A QIP SHALL BE IMPLEMENTED (CONSISTENT WITH THE CAM PROVISIONS OF 40 CFR 64, SUBPART D) WHEN THE GLASS PULL RATE EXCEEDS, BY MORE THAN 20 PERCENT, THE AVERAGE GLASS PULL RATE ESTABLISHED DURING THE MOST RECENT STACK TEST FOR MORE THAN 5% OF THE TOTAL OPERATING TIME IN A 6 MONTH BLOCK PERIOD. THIS CONDITION ONLY APPLIES TO THE APPLICATION OF THE EXISTING PHENOL-FORMALDEHYDE BASED BINDER AND NOT TO THE APPLICATION OF THE NEW STARCH-BASED BINDER SYSTEM.

Monitoring Frequency: SEMI-ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 64: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement: 40CFR 63.1382(b)(5)(iii), Subpart NNN

Item 64.1:
The Compliance Certification activity will be performed for the Facility.

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

Item 64.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EACH GLASS MELTING FURNACE SHALL BE OPERATED SUCH THAT THE GLASS PULL RATE DOES NOT EXCEED, BY MORE THAN 20 PERCENT, THE AVERAGE GLASS PULL RATE ESTABLISHED DURING THE MOST RECENT STACK TEST FOR MORE THAN 10% OF THE TOTAL OPERATING TIME IN A 6 MONTH BLOCK REPORTING PERIOD. THIS CONDITION ONLY APPLIES TO THE APPLICATION OF THE EXISTING PHENOL-FORMALDEHYDE BASED BINDER AND NOT TO THE APPLICATION OF THE NEW STARCH-BASED BINDER SYSTEM.

Monitoring Frequency: SEMI-ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2011.

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



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

Condition 65: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.1383(a), Subpart NNN

Item 65.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000050-00-0 FORMALDEHYDE

CAS No: 0NY075-00-0 PARTICULATES

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall maintain and adhere to the existing operations, maintenance, and monitoring (OMM) plan that was developed in conjunction with the initial Title V permit.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 66: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.1383(a), Subpart NNN

Item 66.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000050-00-0 FORMALDEHYDE

CAS No: 0NY075-00-0 PARTICULATES

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

MONITORING DEVICES USED TO DETERMINE COMPLIANCE SHALL BE CALIBRATED AT THE FREQUENCY BELOW. RESULTS OF SUCH CALIBRATIONS SHALL BE MAINTAINED ON SITE FOR A MINIMUM OF FIVE YEARS AND MADE

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



AVAILABLE TO THE DEPARTMENT UPON REQUEST.
THIS CONDITION ONLY APPLIES TO THE
APPLICATION OF THE EXISTING
PHENOL-FORMALDEHYDE BASED BINDER AND NOT
TO THE APPLICATION OF THE NEW
STARCH-BASED BINDER SYSTEM.

Monitoring Frequency: QUARTERLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 67: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.1383(f), Subpart NNN

Item 67.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EXISTING GLASS MELTING FURNACES EQUIPPED
WITH CONTINUOUS PULL RATE MONITORS MUST
MONITOR AND RECORD THE GLASS PULL RATE ON
AN HOURLY BASIS. THIS CONDITION ONLY
APPLIES TO THE APPLICATION OF THE
EXISTING PHENOL-FORMALDEHYDE BASED BINDER
AND NOT TO THE APPLICATION OF THE NEW
STARCH-BASED BINDER SYSTEM.

Monitoring Frequency: HOURLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 68: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.1383(g), Subpart NNN

Item 68.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000050-00-0 FORMALDEHYDE

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EACH INCINERATOR SHALL BE INSPECTED AT THE FREQUENCY BELOW ACCORDING TO THE PROCEDURES IN THE OMM PLAN. AT A MINIMUM, AN INSPECTION SHALL INCLUDE THE ITEMS IN 40 CFR 63 NNN 1383(g)(2)(i) THROUGH (xi). THIS CONDITION ONLY APPLIES TO THE APPLICATION OF THE EXISTING PHENOL-FORMALDEHYDE BASED BINDER AND NOT TO THE APPLICATION OF THE NEW STARCH-BASED BINDER SYSTEM.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 69: Compliance Certification

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.1383(g), Subpart NNN

Item 69.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000050-00-0 FORMALDEHYDE

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A MONITORING DEVICE THAT CONTINUOUSLY MEASURES AND RECORDS THE OPERATING TEMPERATURE IN THE FIREBOX OF EACH INCINERATOR SHALL BE INSTALLED, CALIBRATED, MAINTAINED AND OPERATED. THIS CONDITION ONLY APPLIES TO THE APPLICATION OF THE EXISTING PHENOL-FORMALDEHYDE BASED BINDER AND NOT TO THE APPLICATION OF THE NEW STARCH-BASED BINDER SYSTEM.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



The initial report is due 4/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 70: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.1383(l), Subpart NNN

Item 70.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES
CAS No: 000050-00-0 FORMALDEHYDE

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE PRODUCT LOI AND PRODUCT DENSITY OF EACH BONDED WOOL FIBERGLASS PRODUCT MANUFACTURED SHALL BE MONITORED AND RECORDED AT LEAST EVERY 8 HOURS. THE METHOD IN 40 CFR 63 NNN APPENDIX A AND APPENDIX C, OR THE EQUIVALENT METHOD AS IDENTIFIED IN OWENS CORNING'S LOI AND DENSITY STANDARD TEST METHODS, SHALL BE USED FOR THE DETERMINATION OF PRODUCT LOI AND DENISITY, RESPECTIVELY.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH 40 CFR 63 NNN 1386(d)(1) AND (d)(2)(v).

THIS CONDITION ONLY APPLIES TO THE APPLICATION OF THE EXISTING PHENOL-FORMALDEHYDE BASED BINDER AND NOT TO THE APPLICATION OF THE NEW STARCH-BASED BINDER 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 4/30/2011.

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

Condition 71: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.1383(m), Subpart NNN

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Item 71.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000050-00-0 FORMALDEHYDE

CAS No: 0NY075-00-0 PARTICULATES

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

FOR ALL CONTROL DEVICE AND PROCESS OPERATING PARAMETERS MEASURED DURING THE MOST RECENT STACK TEST, THE FACILITY MAY CHANGE THE LIMITS IF ADDITIONAL STACK TESTING IS CONDUCTED TO VERIFY THAT, AT THE NEW LEVELS, THEY COMPLY WITH THE APPLICABLE EMISSION LIMITS IN 40 CFR 63 NNN 1382. THE ADDITIONAL STACK TEST SHALL BE CONDUCTED ACCORDING TO THE PROCEDURES IN 40 CFR 63 A AND 40 CFR 63 NNN 1384. THIS CONDITION ONLY APPLIES TO THE APPLICATION OF THE EXISTING PHENOL-FORMALDEHYDE BASED BINDER AND NOT TO THE APPLICATION OF THE NEW STARCH-BASED BINDER SYSTEM.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 72: Compliance Certification

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.1384, Subpart NNN

Item 72.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

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

CAS No: 000050-00-0 FORMALDEHYDE

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A STACK TEST SHALL BE CONDUCTED TO



DEMONSTRATE COMPLIANCE WITH THE 40 CFR 63.1382 STANDARDS.

A STACK TEST SHALL BE CONDUCTED TO DEMONSTRATE COMPLIANCE WITH THE PART 212.4(c) 0.050 GRAINS/DSCF STANDARD FOR THE DM-2 MIXING CHAMBER.

A STACK TEST SHALL BE CONDUCTED TO DEMONSTRATE COMPLIANCE WITH THE LB/HR PARTICULATE EMISSIONS CAPS ESTABLISHED PER 40 CFR 52.21 FOR THE FURNACES, THE DM-1 MIXING CHAMBER, AND THE TWO DM-1 FORMING WEPS WHOSE EXHAUSTS CONTAIN THE DM-1 SMOKE STRIPPER AND THE DM-1 COOLING SECTION.

THE STACK TEST SHALL BE DONE ACCORDING TO THE PROCEDURES IN 40 CFR 63, SUBPART A AND 40 CFR 63 NNN 1384 (a)(1), (2), (3), (4), (5), (9), (12). THE TEST SHALL BE DONE WHILE PRODUCING THE HIGHEST LOI BUILDING INSULATION EXPECTED TO BE PRODUCED ON THAT LINE (SEE 1384 (a)(8)) AND USING THE RESIN WITH THE HIGHEST FREE FORMALDEHYDE CONTENT (SEE 1384(a)(9)).

THIS CONDITION ONLY APPLIES TO THE APPLICATION OF THE EXISTING PHENOL-FORMALDEHYDE BASED BINDER AND NOT TO THE APPLICATION OF THE NEW STARCH-BASED BINDER SYSTEM.

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 73: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.1384, Subpart NNN

Item 73.1:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 000050-00-0 FORMALDEHYDE
CAS No: 0NY075-00-0 PARTICULATES

Item 73.2:
Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

UNLESS DISAPPROVED BY THE ADMINISTRATOR, THE FACILITY MAY CONDUCT SHORT-TERM EXPERIMENTAL PRODUCTION RUNS USING BINDER FORMULATIONS OR OTHER PROCESS MODIFICATIONS WHERE THE PROCESS PARAMETER VALUES WOULD BE OUTSIDE THOSE ESTABLISHED DURING THE MOST RECENT STACK TEST WITHOUT FIRST CONDUCTING A STACK TEST. SUCH RUNS MUST NOT EXCEED 1 WEEK IN DURATION (UNLESS A LONGER PERIOD IS APPROVED). THE FACILITY MUST PROVIDE A 15 DAY NOTIFICATION AND THE ADMINISTRATOR MUST INFORM THE FACILITY OF A DISAPPROVAL. SEE 1384(a)(13)(i) THROUGH (vi) FOR THE INFORMATION REQUIRED IN THE NOTIFICATION. THIS CONDITION ONLY APPLIES TO THE APPLICATION OF THE EXISTING PHENOL-FORMALDEHYDE BASED BINDER AND NOT TO THE APPLICATION OF THE NEW STARCH-BASED BINDER SYSTEM.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 74: Compliance Certification

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.1386, Subpart NNN

Item 74.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000050-00-0 FORMALDEHYDE

CAS No: 0NY075-00-0 PARTICULATES

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE PERMITTEE SHALL COMPLY WITH ALL OF THE NOTIFICATION, RECORDKEEPING, AND REPORTING REQUIREMENTS OF 63.1386. THIS CONDITION ONLY APPLIES TO THE APPLICATION OF THE EXISTING PHENOL-FORMALDEHYDE BASED BINDER AND NOT TO THE APPLICATION OF THE NEW STARCH-BASED BINDER SYSTEM.

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 75: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 75.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

CAS No: 0NY998-00-0 VOC

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The product LOI and product density of each fiberglass product manufactured shall be monitored and recorded at least every 8 hours. The method as identified in Owens Corning's LOI and density standard test methods shall be used for the determination of product LOI and density, respectively.

Records shall be kept in accordance with Part 201-6.5(c).

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 4/30/2011.

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

Condition 76: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 76.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 76.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

MONITORING DEVICES USED TO DETERMINE COMPLIANCE SHALL BE CALIBRATED AT THE FREQUENCY BELOW. RESULTS OF SUCH CALIBRATIONS SHALL BE MAINTAINED ON SITE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO THE DEPARTMENT UPON REQUEST.

Monitoring Frequency: QUARTERLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 77: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 77.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00002

Emission Unit: U-00012

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

CORRECTIVE ACTION SHALL BE INITIATED WITHIN 1 HOUR, WHEN ANY 3-HOUR BLOCK AVERAGE OF A MONITORED ELECTROSTATIC PRECIPITATOR (ESP) PARAMETER IS OUTSIDE THE PARAMETRIC RANGE. CORRECTIVE ACTION SHALL BE COMPLETED IN A TIMELY MANNER ACCORDING TO THE PROCEDURES IN THE OPERATIONS, MAINTENANCE, AND MONITORING (OMM) PLAN.

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 4/30/2011.

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

Condition 78: Compliance Certification



Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR 64.8

Item 78.1:

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

Emission Unit: U-00003 Process: FZ1	Emission Source: FZ1SS
Emission Unit: U-00003 Process: FZ1	Emission Source: FZ2SS
Emission Unit: U-00003 Process: FZ1	Emission Source: FZ5SS
Emission Unit: U-00003 Process: FZ1	Emission Source: FZ6SS
Emission Unit: U-00003 Process: FZ2	Emission Source: FZ3SS
Emission Unit: U-00003 Process: FZ2	Emission Source: FZ4SS
Emission Unit: U-00003 Process: FZ2	Emission Source: FZEP1
Emission Unit: U-00003 Process: FZ2	Emission Source: FZEP2

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

Item 78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A QIP SHALL BE IMPLEMENTED (CONSISTENT WITH THE CAM PROVISIONS OF 40 CFR 64, SUBPART D) WHEN ANY SCRUBBER OR WET ESP PARAMETER IS OUTSIDE THE LIMITS ESTABLISHED DURING THE MOST RECENT STACK TEST FOR MORE THAN 5 PERCENT OF THE TOTAL OPERATING TIME IN A 6 MONTH BLOCK REPORTING PERIOD.

Monitoring Frequency: SEMI-ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



The initial report is due 4/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 79: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR 64.8

Item 79.1:

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

Emission Unit: U-00003 Process: FZ1	Emission Source: FZ1SS
Emission Unit: U-00003 Process: FZ1	Emission Source: FZ2SS
Emission Unit: U-00003 Process: FZ1	Emission Source: FZ5SS
Emission Unit: U-00003 Process: FZ1	Emission Source: FZ6SS
Emission Unit: U-00003 Process: FZ2	Emission Source: FZ3SS
Emission Unit: U-00003 Process: FZ2	Emission Source: FZ4SS
Emission Unit: U-00003 Process: FZ2	Emission Source: FZEP1
Emission Unit: U-00003 Process: FZ2	Emission Source: FZEP2
Regulated Contaminant(s): CAS No: 0NY075-00-0	PARTICULATES

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EACH SCRUBBER OR WET ESP SHALL BE OPERATED SUCH THAT THE MONITORED PARAMETER IS NOT OUTSIDE THE LIMITS ESTABLISHED DURING THE MOST RECENT STACK TEST FOR MORE THAN 10% OF THE TOTAL OPERATING TIME IN A 6 MONTH BLOCK REPORTING PERIOD.



WATER SOLIDS CONTENT FOR EACH WET ESP FOR ANY 3 HOUR BLOCK PERIOD IS OUTSIDE THE LIMITS ESTABLISHED DURING THE MOST RECENT STACK TEST. CORRECTIVE ACTIONS SHALL BE COMPLETED IN A TIMELY MANNER ACCORDING TO THE PROCEDURES IN THE OMM PLAN.

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 4/30/2011.

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

Condition 81: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 70

Item 81.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00002

Emission Unit: U-00012

Regulated Contaminant(s):

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

Item 81.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

NITER (NA₂NO₃) CONTENT OF MIXED BATCH LIMITED TO THE VALUES FROM THE MOST RECENT STACK (THIS VALUE WAS ALSO VERIFIED DURING THE 2001/2002 STACK TESTS) TEST AND SHALL BE ADJUSTED TO REFLECT BATCH FORMULATION INFORMATION.

Parameter Monitored: NITRATE

Upper Permit Limit: 0.1 percent by weight

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 4/30/2011.

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



**** Emission Unit Level ****

Condition 82: Emission Point Definition By Emission Unit
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 82.1:

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

Emission Unit: U-00001

Emission Point: 00002

Height (ft.): 95 Diameter (in.): 9
NYTMN (km.): 4715.057 NYTME (km.): 592.416 Building: 1

Item 82.2:

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

Emission Unit: U-00002

Emission Point: 00101

Height (ft.): 70 Diameter (in.): 34
NYTMN (km.): 4715.343 NYTME (km.): 592.404 Building: 1

Emission Point: 00300

Height (ft.): 160 Diameter (in.): 58
NYTMN (km.): 4715.115 NYTME (km.): 592.373 Building: 1

Item 82.3:

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

Emission Unit: U-00003

Emission Point: 00005

Height (ft.): 76 Length (in.): 192 Width (in.): 36
NYTMN (km.): 4715.104 NYTME (km.): 592.459

Emission Point: 00006

Height (ft.): 50 Diameter (in.): 42
NYTMN (km.): 4715.122 NYTME (km.): 592.486

Emission Point: 00022

Height (ft.): 45 Diameter (in.): 14
NYTMN (km.): 4715.12 NYTME (km.): 592.472

Emission Point: 00102

Height (ft.): 105 Diameter (in.): 55
NYTMN (km.): 4715.34 NYTME (km.): 592.494



Emission Point: 00103
Height (ft.): 105 Diameter (in.): 55
NYTMN (km.): 4715.34 NYTME (km.): 592.494

Emission Point: 00104
Height (ft.): 45 Diameter (in.): 14
NYTMN (km.): 4715.34 NYTME (km.): 592.493

Emission Point: 00105
Height (ft.): 80 Diameter (in.): 32
NYTMN (km.): 4715.34 NYTME (km.): 592.493 Building: 1

Item 82.4:

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

Emission Unit: U-00005

Emission Point: 00013
Height (ft.): 41 Diameter (in.): 16
NYTMN (km.): 4715.12 NYTME (km.): 592.488

Item 82.5:

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

Emission Unit: U-00006

Emission Point: 00007
Height (ft.): 30 Diameter (in.): 5
NYTMN (km.): 4715.269 NYTME (km.): 592.479

Emission Point: 00008
Height (ft.): 30 Diameter (in.): 5
NYTMN (km.): 4715.265 NYTME (km.): 592.482

Emission Point: 00009
Height (ft.): 4 Diameter (in.): 7
NYTMN (km.): 4715.241 NYTME (km.): 592.458

Emission Point: 00010
Height (ft.): 23 Diameter (in.): 5
NYTMN (km.): 4715.256 NYTME (km.): 592.459

Emission Point: 00011
Height (ft.): 22 Diameter (in.): 5
NYTMN (km.): 4715.25 NYTME (km.): 592.469

Emission Point: 00012
Height (ft.): 22 Diameter (in.): 5
NYTMN (km.): 4715.246 NYTME (km.): 592.459

Emission Point: 00020
Height (ft.): 22 Diameter (in.): 5



NYTMN (km.): 4715.258 NYTME (km.): 592.453

Emission Point: 00024
Height (ft.): 16 Diameter (in.): 8
NYTMN (km.): 4715.259 NYTME (km.): 592.462

Emission Point: 00040
Height (ft.): 19 Diameter (in.): 6
NYTMN (km.): 4715.259 NYTME (km.): 592.462

Emission Point: 00041
Height (ft.): 19 Diameter (in.): 6
NYTMN (km.): 4715.259 NYTME (km.): 592.462

Emission Point: 00042
Height (ft.): 18 Diameter (in.): 6
NYTMN (km.): 4715.259 NYTME (km.): 592.462

Item 82.6:

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

Emission Unit: U-00007

Emission Point: 00027
Height (ft.): 34 Length (in.): 54 Width (in.): 54
NYTMN (km.): 4715.278 NYTME (km.): 592.471

Item 82.7:

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

Emission Unit: U-00008

Emission Point: 00030
Height (ft.): 35 Length (in.): 96 Width (in.): 48
NYTMN (km.): 4715.386 NYTME (km.): 592.578

Emission Point: 00031
Height (ft.): 35 Length (in.): 96 Width (in.): 48
NYTMN (km.): 4715.405 NYTME (km.): 592.573

Item 82.8:

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

Emission Unit: U-00009

Emission Point: 00035
Height (ft.): 68 Length (in.): 240 Width (in.): 912
NYTMN (km.): 4715.282 NYTME (km.): 592.449

Item 82.9:

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



Emission Unit: U-00011

Emission Point: 00014
Height (ft.): 94 Diameter (in.): 10
NYTMN (km.): 4715.067 NYTME (km.): 592.404

Item 82.10:

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

Emission Unit: U-00012

Emission Point: 00201
Height (ft.): 70 Diameter (in.): 34
NYTMN (km.): 4715.343 NYTME (km.): 592.403 Building: 1

Item 82.11:

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

Emission Unit: U-00013

Emission Point: 00017
Height (ft.): 76 Length (in.): 216 Width (in.): 36
NYTMN (km.): 4715.12 NYTME (km.): 592.444

Item 82.12:

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

Emission Unit: U-00014

Emission Point: 00018
Height (ft.): 50 Diameter (in.): 60
NYTMN (km.): 4715.141 NYTME (km.): 592.469

Emission Point: 00021
Height (ft.): 44 Diameter (in.): 14
NYTMN (km.): 4715.115 NYTME (km.): 592.467

Item 82.13:

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

Emission Unit: U-00015

Emission Point: 00019
Height (ft.): 40 Diameter (in.): 16
NYTMN (km.): 4715.139 NYTME (km.): 592.472

Item 82.14:

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

Emission Unit: U-00016

Emission Point: 00032



Height (ft.): 35 Length (in.): 90 Width (in.): 48
NYTMN (km.): 4715.404 NYTME (km.): 592.556

Item 82.15:

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

Emission Unit: U-00017

Emission Point: 00028

Height (ft.): 55 Length (in.): 30 Width (in.): 60
NYTMN (km.): 4715.447 NYTME (km.): 592.534

Emission Point: 00029

Height (ft.): 55 Length (in.): 30 Width (in.): 60
NYTMN (km.): 4715.453 NYTME (km.): 592.553

Item 82.16:

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

Emission Unit: U-00018

Emission Point: 00036

Height (ft.): 68 Length (in.): 240 Width (in.): 360
NYTMN (km.): 4715.305 NYTME (km.): 592.427

Condition 83: Process Definition By Emission Unit

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 83.1:

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

Emission Unit: U-00001

Process: MB1

Source Classification Code: 3-05-012-21

Process Description:

PROCESS PROVIDES FOR SURGE STORAGE OF
MIXED (SAND & MINERAL) BATCH AT THE
FURNACE. THE MIXED BATCH IS PNEUMATICALLY
CONVEYED FROM A SEPARATE BLENDING OPERATION
TO THIS BATCH BIN.

Emission Source/Control: DM1FF - Control

Control Type: FABRIC FILTER

Emission Source/Control: DM1MB - Process

Item 83.2:

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

Emission Unit: U-00002

Process: OX1

Source Classification Code: 3-05-012-02



Process Description:

CONVERSION OF SAND AND MINERAL BATCH TO GLASS BY THERMAL HEATING THROUGH OXY FUEL FIRED MELTER. THIS PROCESS IS HANDLED BY EMISSION POINT 00300 IN NORMAL OPERATING MODE AND 00101 DURING DEP EMERGENCY SHUTDOWN, MAINTENANCE OR MALFUNCTION.

Emission Source/Control: DM1EP - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: DM10M - Process

Item 83.3:

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

Emission Unit: U-00003

Process: BP1

Source Classification Code: 3-05-012-06

Process Description:

THIS PROCESS REPRESENTS THE OPERATION OF DM1 COOLING SECTION BY ITSELF WHILE DM1 SMOKE STRIPPER IS OUT OF SERVICE DUE TO SCHEDULED MAINTENANCE EVENTS. SECTION 201-1.4 APPLIES DURING SCHEDULED MAINTENANCE WHICH IS PERFORMED UNDER PART 200.7.

Emission Source/Control: DM1DM - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: DM1EF - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: DM1F1 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: DM1F2 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: DM1S1 - Control
Control Type: WET SCRUBBER

Emission Source/Control: DM1S2 - Control
Control Type: WET SCRUBBER

Emission Source/Control: FZEP1 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: FZEP2 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: DM1CA - Process



Emission Source/Control: DM1SS - Process

Item 83.4:

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

Emission Unit: U-00003

Process: CO1

Source Classification Code: 3-05-012-05

Process Description:

THIS PROCESS INVOLVES THE OPERATION OF A CURING OVEN WHICH CURES THE FIBER PACK PRIOR TO FABRICATION.

Emission Source/Control: DM1AB - Control

Control Type: DIRECT FLAME AFTERBURNER WITH HEAT EXCHANGER

Emission Source/Control: DM1CO - Process

Item 83.5:

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

Emission Unit: U-00003

Process: CS1

Source Classification Code: 3-05-012-06

Process Description:

THIS PROCESS INVOLVES THE COOLING OF THE PACK PRIOR TO PACKAGING BY PASSING AIR THROUGH THE PACK. THIS PROCESS CONTAINS EMISSION POINT 00006.

Emission Source/Control: DM1DM - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: DM1EF - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: DM1CA - Process

Item 83.6:

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

Emission Unit: U-00003

Process: FZ1

Source Classification Code: 3-05-012-04

Process Description:

FORMING ZONES FZ001, FZ002, FZ005, AND FZ006 DRAW PACK FORMING AIR FROM BENEATH THE PACK FORMING CONVEYOR. THIS PROCESS IS HANDLED BY EMISSION POINT 00005.

Emission Source/Control: DM1PH - Control

Control Type: MIST ELIMINATOR

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Emission Source/Control: FZ1SS - Control
Control Type: WET SCRUBBER

Emission Source/Control: FZ2SS - Control
Control Type: WET SCRUBBER

Emission Source/Control: FZ5SS - Control
Control Type: WET SCRUBBER

Emission Source/Control: FZ6SS - Control
Control Type: WET SCRUBBER

Emission Source/Control: FZ001 - Process

Emission Source/Control: FZ002 - Process

Emission Source/Control: FZ005 - Process

Emission Source/Control: FZ006 - Process

Item 83.7:

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

Emission Unit: U-00003

Process: FZ2

Source Classification Code: 3-05-012-04

Process Description:

FORMING ZONES FZ003 AND FZ004 DRAW PACK
FORING AIR FROM BENEATH THE PACK FORMING
CONVEYOR. THIS PROCESS IS VENTED THROUGH
EMISSION POINTS 00102 AND 00103.

Emission Source/Control: FZ3SS - Control
Control Type: WET SCRUBBER

Emission Source/Control: FZ4SS - Control
Control Type: WET SCRUBBER

Emission Source/Control: FZEP1 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: FZEP2 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: FZ003 - Process

Emission Source/Control: FZ004 - Process

Item 83.8:

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

Emission Unit: U-00003

Process: ME1

Source Classification Code: 3-05-012-04

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Process Description:

THIS PROCESS PROVIDES THE VENTILATION FOR THE BASEMENT PORTION OF THE FORMING ZONES.

Emission Source/Control: DM1ME - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: DM1BH - Process

Item 83.9:

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

Emission Unit: U-00003

Process: SS1

Source Classification Code: 3-05-012-06

Process Description:

THIS PROCESS IS USED TO DRAW AIR THROUGH THE PACK TO "STRIP" OUT THE SMOKE AND POLLUTANT GASES. THIS PROCESS IS SERVED BY EMISSION POINTS 00102 AND 00103 DURING NORMAL OPERATION, AND 00104 AND 00022 DURING WEST ELECTROSTATIC PRECIPITATOR DOWNTIME. OPERATION OF DM1SS DOES NOT REQUIRE THE SIMULTANEOUS USE OF CONTROLS.

Emission Source/Control: DM1F1 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: DM1F2 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: DM1S1 - Control
Control Type: WET SCRUBBER

Emission Source/Control: DM1S2 - Control
Control Type: WET SCRUBBER

Emission Source/Control: FZEP1 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: FZEP2 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: DM1SS - Process

Item 83.10:

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

Emission Unit: U-00005

Process: AA1

Source Classification Code: 4-05-005-99

Process Description:

PROCESS APPLIES A THIN COATING OF PETROLEUM-BASED ASPHALT TO PAPER FOR THE



BACKING ON FIBERGLASS INSULATION.

Emission Source/Control: DM1AA - Process

Item 83.11:

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

Emission Unit: U-00005
Process: FG1 Source Classification Code: 4-05-005-99
Process Description:
THIS PROCESS USES INK TO PRINT INFORMATION
ON THE FIBERGLASS BACKING (PAPER
SUBSTRATE)

Emission Source/Control: DM1FG - Process

Item 83.12:

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

Emission Unit: U-00006
Process: 212 Source Classification Code: 4-07-999-98
Process Description:
STORAGE TANKS INCLUDING RED DYE, ASPHALT,
PROCESS OIL, UREA, UREA DILUTION, AND NORTH
AND SOUTH RESIN TANKS.

Emission Source/Control: ASPST - Process

Emission Source/Control: NORST - Process

Emission Source/Control: PROST - Process

Emission Source/Control: REDST - Process

Emission Source/Control: SORST - Process

Emission Source/Control: URDST - Process

Emission Source/Control: UREST - Process

Item 83.13:

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

Emission Unit: U-00006
Process: 229 Source Classification Code: 4-07-999-98
Process Description:
STORAGE TANKS INCLUDING RED DYE, ASPHALT,
PROCESS OIL, UREA, UREA DILUTION AND NORTH
AND SOUTH RESIN TANKS.

Emission Source/Control: ASPST - Process



Emission Source/Control: NORST - Process

Emission Source/Control: PROST - Process

Emission Source/Control: REDST - Process

Emission Source/Control: SORST - Process

Emission Source/Control: URDST - Process

Emission Source/Control: UREST - Process

Item 83.14:

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

Emission Unit: U-00006

Process: MSH

Source Classification Code: 4-07-999-98

Process Description:

Storage tanks including two Maltodextrin (MALT1 & MALT2) tanks and one Sodium Hydroxide (NAOH1) tank.

Emission Source/Control: MALT1 - Process

Design Capacity: 15,227 gallons

Emission Source/Control: MALT2 - Process

Design Capacity: 15,227 gallons

Emission Source/Control: NAOH1 - Process

Design Capacity: 13,900 gallons

Item 83.15:

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

Emission Unit: U-00007

Process: BDR

Source Classification Code: 4-07-999-98

Process Description:

BINDER ROOM CONTAINS VARIOUS PROCESS MIX TANKS (INCLUDING THE NEW EXEMPT BINDER MIX AND CIRCULATION TANKS) USED IN THE PRODUCTION OF BINDER. THE BINDER ROOM IS EXHAUSTED THROUGH A CEILING FAN.

Emission Source/Control: BINDR - Process

Item 83.16:

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

Emission Unit: U-00008

Process: BC1

Source Classification Code: 3-05-012-99

Process Description:

EIGHT COLLECTION UNITS ASSOCIATED WITH FIBERGLASS INSULATION BAGGING EQUIPMENT.



Emission Source/Control: DM12C - Process

Emission Source/Control: DM16C - Process

Item 83.17:

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

Emission Unit: U-00009

Process: CA1

Source Classification Code: 3-05-012-02

Process Description:

THE CONDITIONING AREA INCLUDES THE
CONDITIONING SECTION AND FOREHEAERTH OF THE
HOT END, THE AREAS SURROUNDING THE FURNACE,
AND THE BATCH CHARGER SYSTEM. EMISSIONS
FROM THESE THREE ACTIVITIES ORIGINATE
INSIDE THE BUILDING AND EVENTUALLY EXIT THE
BUILDING THROUGH LOUVERS.

Emission Source/Control: DM1CN - Process

Item 83.18:

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

Emission Unit: U-00010

Process: FES

Source Classification Code: 3-05-012-99

Process Description:

FUGITIVE EMISSION SOURCES INCLUDING: WASH
WATER SYSTEM, AGGREGATE CULLET STORAGE
PILE, AND UNLOADING AND MIXING OF GLASS
BATCH MATERIAL.

Emission Source/Control: AGCSP - Process

Emission Source/Control: UGLBM - Process

Emission Source/Control: WWSYS - Process

Item 83.19:

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

Emission Unit: U-00010

Process: INK

Source Classification Code: 4-05-005-99

Process Description: FUGITIVE EMISSIONS FROM INKJET PRINTING.

Emission Source/Control: DM1IJ - Process

Item 83.20:

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

Emission Unit: U-00011

Process: MB2

Source Classification Code: 3-05-012-21



Process Description:

DM-2 MIXED BATCH BIN. PROCESS PROVIDES FOR SURGE STORAGE OF MIXED (SAND AND MINERAL) BATCH AT THE FURNACE. THE MIXED BATCH IS PNEUMATICALLY CONVEYED FROM A SEPARATE BLENDING OPERATION TO THIS BATCH BIN.

Emission Source/Control: DM2FF - Control
Control Type: FABRIC FILTER

Emission Source/Control: DM2MB - Process

Item 83.21:

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

Emission Unit: U-00012

Process: OX2

Source Classification Code: 3-05-012-02

Process Description:

CONVERSION OF SAND AND MINERAL BATCH TO GLASS BY THERMAL HEATING THROUGH OXY FUEL FIRED MELTER. THIS PROCESS IS HANDLED BY EMISSION POINT 00300 IN NORMAL OPERATING MODE AND 00201 DURING DEP EMERGENCY SHUTDOWN, MAINTENANCE OR MALFUNCTION.

Emission Source/Control: DM2EP - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: DM2OM - Process

Item 83.22:

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

Emission Unit: U-00013

Process: FC2

Source Classification Code: 3-05-012-04

Process Description:

DM-2 MIXING CHAMBER. MIXING CHAMBER MIXES 2 AIR STREAMS: 1) SATURATED AIR FROM THE FIBER FORMING PROCESS THAT GOES THROUGH A DROPOUT BOX AND MOISTURE ELIMINATOR; AND 2) EXHAUST AIR FROM THE CURE OVEN AFTERBURNER. THE OVEN CURES THE FIBER PACK PRIOR TO FABRICATION.

Emission Source/Control: DM2AB - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: DM2DB - Control
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: DM2ME - Control



Control Type: MIST ELIMINATOR

Emission Source/Control: DM2CO - Process

Emission Source/Control: DM2FA - Process

Item 83.23:

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

Emission Unit: U-00014

Process: CS2

Source Classification Code: 3-05-012-06

Process Description:

DM-2 COOLING AREA. THIS PROCESS REPRESENTS THE OPERATION OF DM2 COOLING SECTION BY ITSELF WHILE DM-2 SMOKE STRIPPER IS OUT OF SERVICE DUE TO SCHEDULED MAINTENANCE EVENTS. SECTION 201.14 APPLIES DURING THIS SCHEDULED MAINTENANCE WHICH IS PERFORMED UNDER SECTION 200.7.

Emission Source/Control: DM2AF - Control

Control Type: MAT OR PANEL FILTER

Emission Source/Control: DM2AS - Control

Control Type: WET SCRUBBER

Emission Source/Control: DM2CS - Control

Control Type: WET SCRUBBER

Emission Source/Control: DM2DM - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: DM2EF - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: DM2WS - Control

Control Type: SINGLE CYCLONE

Emission Source/Control: DM2CA - Process

Item 83.24:

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

Emission Unit: U-00014

Process: SC2

Source Classification Code: 3-05-012-06

Process Description:

DM-2 COOLING AREA. THIS PROCESS REMOVES SMOKE FROM THE CURED FIBERGLASS AND DRAWS COOLING AIR THROUGH THEH GLASS PACK.

Emission Source/Control: DM2AF - Control

Control Type: MAT OR PANEL FILTER



Emission Source/Control: DM2AS - Control
Control Type: WET SCRUBBER

Emission Source/Control: DM2CS - Control
Control Type: WET SCRUBBER

Emission Source/Control: DM2DM - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: DM2EF - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: DM2WS - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: DM2CA - Process

Item 83.25:

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

Emission Unit: U-00015
Process: AA2 Source Classification Code: 4-05-005-99
Process Description:
DM-2 ASPHALT APPLICATOR. PROCESS APPLIES
A THIN COAT OF PETROLEUM-BASED ASPHALT TO
PAPER SUBSTRATE THAT IS THE BACKING OF
FIBERGLASS INSULATION.

Emission Source/Control: DM2AA - Process

Item 83.26:

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

Emission Unit: U-00015
Process: FG2 Source Classification Code: 4-05-005-99
Process Description:
DM-2 FLEXOGRAPHIC PRINTING. THIS PROCESS
USES INK TO PRINT INFORMATION ON THE
FIBERGLASS BACKING.

Emission Source/Control: DM2FG - Process

Item 83.27:

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

Emission Unit: U-00016
Process: BC2 Source Classification Code: 3-05-012-99
Process Description:
DM-2 BAGGING EQUIPMENT. EIGHT DUST
COLLECTION UNITS ASSOCIATED WITH THE
FIBERGLASS BAGGING EQUIPMENT.



Emission Source/Control: DM28C - Process

Item 83.28:

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

Emission Unit: U-00017

Process: PC1

Source Classification Code: 3-05-012-99

Process Description:

THE PENCLONE UNITS ARE USED TO COLLECT
PARTICULATE MATTER RESULTING FROM
FIBERGLASS CUTTING, TRIMMING, AND REPACK
OPERATIONS.

Emission Source/Control: PC003 - Process

Emission Source/Control: PC124 - Process

Item 83.29:

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

Emission Unit: U-00018

Process: CA2

Source Classification Code: 3-05-012-02

Process Description: CONDITIONING

Emission Source/Control: DM2CN - Process

Condition 84: Emission Unit Permissible Emissions

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 84.1:

The sum of emissions from all regulated processes specified in this permit for the emission unit cited

shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: U-00001

CAS No: 0NY075-00-5

Name: PM-10

PTE(s): 0.024 pounds per hour

210 pounds per year

Emission Unit: U-00002

CAS No: 0NY075-00-5

Name: PM-10

PTE(s): 3.542 pounds per hour

31,028 pounds per year

Emission Unit: U-00003

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



CAS No: 0NY075-00-5
Name: PM-10
PTE(s): 23.131 pounds per hour
202,628 pounds per year

Emission Unit: U-00008

CAS No: 0NY075-00-5
Name: PM-10
PTE(s): 5.207 pounds per hour
45,613 pounds per year

Emission Unit: U-00009

CAS No: 0NY075-00-5
Name: PM-10
PTE(s): 0.136 pounds per hour
1,191 pounds per year

Emission Unit: U-00010

CAS No: 0NY075-00-5
Name: PM-10
PTE(s): 0.278 pounds per hour
2,435 pounds per year

Emission Unit: U-00012

CAS No: 0NY075-00-5
Name: PM-10
PTE(s): 2.224 pounds per hour
19,482 pounds per year

Emission Unit: U-00017

CAS No: 0NY075-00-5
Name: PM-10
PTE(s): 6.336 pounds per hour
55,503 pounds per year

Condition 85: Process Permissible Emissions
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 85.1:

The sum of emissions from the regulated process cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: U-00013 Process: FC2



CAS No: 000630-08-0
Name: CARBON MONOXIDE
PTE(s): 44.53 pounds per hour
390,080 pounds per year

Emission Unit: U-00011 Process: MB2

CAS No: 0NY075-00-0
Name: PARTICULATES
PTE(s): 0.05 grains per dscf
0.209 pounds per hour
498 pounds per year

Emission Unit: U-00013 Process: FC2

CAS No: 0NY075-00-0
Name: PARTICULATES
PTE(s): 0.05 grains per dscf
72.857 pounds per hour
638,228 pounds per year

Emission Unit: U-00014 Process: CS2

CAS No: 0NY075-00-0
Name: PARTICULATES
PTE(s): 0.05 grains per dscf
12.9 pounds per hour
113,004 pounds per year

Emission Unit: U-00014 Process: SC2

CAS No: 0NY075-00-0
Name: PARTICULATES
PTE(s): 0.05 grains per dscf
12.9 pounds per hour
113,004 pounds per year

Emission Unit: U-00016 Process: BC2

CAS No: 0NY075-00-0
Name: PARTICULATES
PTE(s): 0.05 grains per dscf
27.77 pounds per hour
243,266 pounds per year

Emission Unit: U-00018 Process: CA2

CAS No: 0NY075-00-0
Name: PARTICULATES
PTE(s): 0.05 grains per dscf
128.57 pounds per hour

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



1,126,274 pounds per year

Emission Unit: U-00013 Process: FC2

CAS No: 0NY998-00-0

Name: VOC

PTE(s): 12.994 pounds per hour

113,828 pounds per year

Emission Unit: U-00014 Process: CS2

CAS No: 0NY998-00-0

Name: VOC

PTE(s): 1.929 pounds per hour

16,898 pounds per year

Emission Unit: U-00014 Process: SC2

CAS No: 0NY998-00-0

Name: VOC

PTE(s): 1.929 pounds per hour

16,898 pounds per year

Condition 86: Capping Monitoring Condition
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 86.1:

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 86.2:

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

Item 86.3:

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 86.4:

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

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period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 86.5:

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 86.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

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

Item 86.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

FOR THE PAST PROJECT THAT INVOLVED THIS EMISSION UNIT, FUTURE POTENTIAL MINUS PRIOR ACTUAL EMISSIONS ARE CAPPED AT LESS THAN THE 15 TON/YR SIGNIFICANCE THRESHOLD FOR PM10 TO AVOID ATTAINMENT NEW SOURCE REVIEW (PSD). FOR THIS EMISSION UNIT, THE CAP IS SET AT 0.024 LB/HR, WITH ANNUAL EMISSIONS ALSO CAPPED TO THE PRODUCT OF THIS LIMIT AND 8760 HOURS/YEAR. STACK TESTING OF THIS EMISSION UNIT IS NOT POSSIBLE DUE TO A LACK OF AN ACTUAL STACK AND BECAUSE OF VARYING PARAMETERS. THEREFORE, TO MONITOR COMPLIANCE WITH THE TON PER YEAR AND LB/HR THRESHOLDS, THE FACILITY SHALL TRACK AND RECORD THE NUMBER OF BATCH TRANSFERS THROUGHOUT THE YEAR.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH PART 201-6.5(C).

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 4/30/2011.

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

Condition 87: Capping Monitoring Condition
Effective between the dates of 11/05/2010 and 11/04/2015



Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 87.1:

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:

6 NYCRR Subpart 231-2

Item 87.2:

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

Item 87.3:

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 87.4:

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 87.5:

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 87.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 0NY210-00-0	OXIDES OF NITROGEN
CAS No: 0NY998-00-0	VOC

Item 87.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

FOR THE PAST PROJECT THAT INVOLVED THIS



EMISSIONS UNIT, MAXIMUM ANNUAL POTENTIAL (MAP) MINUS PRIOR ACTUAL ANNUAL EMISSIONS ARE CAPPED AT LESS THAN THE 40 TON/YR SIGNIFICANT SOURCE PROJECT THRESHOLD (SSPT) TO AVOID NON ATTAINMENT NEW SOURCE REVIEW (PART 231-2).

THE SUM OF FUTURE POTENTIAL EMISSIONS FROM THE EMISSIONS UNITS SPECIFIED IN THIS PERMIT, A) THIS INCLUDES EMISSION UNITS U00002, U00003, U00005, U00007, U00010, U00012 FOR VOC, B) THIS INCLUDES EMISSION UNITS U00002, U00003, U00012 FOR NOX,

CAPPED 1) AT 54.776 TON/YR FOR VOC; 2) AT 220.157 TON/YR FOR NOX. EMISSIONS ARE CAPPED BY LIMITING GLASS PULLED AT THE DM-1 LINE.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: GLASS
Upper Permit Limit: 62050 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 88: Capping Monitoring Condition
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 88.1:

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 88.2:

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

Item 88.3:

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 88.4:

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 88.5:

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 88.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 000630-08-0	CARBON MONOXIDE
CAS No: 007439-92-1	LEAD
CAS No: 007446-09-5	SULFUR DIOXIDE
CAS No: 007664-39-3	HYDROGEN FLUORIDE
CAS No: 0NY075-00-5	PM-10
CAS No: 0NY210-00-0	OXIDES OF NITROGEN
CAS No: 0NY075-00-0	PARTICULATES

Item 88.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

FOR THE PAST PROJECT THAT INVOLVED THIS EMISSIONS UNIT, FUTURE POTENTIAL MINUS PRIOR ACTUAL EMISSIONS CAPPED AT 1) LESS THAN THE 25 TON/YR SIGNIFICANCE THRESHOLD FOR PM; 2) LESS THAN THE 15 TON/YR SIGNIFICANCE THRESHOLD FOR PM-10; 3) LESS THAN THE 40 TON/YR SIGNIFICANCE THRESHOLD FOR NOX, SO₂; 4) LESS THAN THE 100 TON/YR SIGNIFICANCE THRESHOLD FOR CO; 5) LESS THAN THE 3 TON/YR SIGNIFICANCE THRESHOLD FOR HYDROGEN FLUORIDE; 6) LESS THAN THE 0.6 TON/YR SIGNIFICANCE THRESHOLD FOR LEAD, TO AVOID ATTAINMENT NEW SOURCE REVIEW (PSD).

THE SUM OF FUTURE POTENTIAL EMISSIONS



FROM THE EMISSIONS UNITS SPECIFIED IN THIS PERMIT, A) THIS INCLUDES EMISSION UNITS U00001, U00002, U00003, U00005, U00008, U00009, U00010, U00012, U00017 FOR PM, PM-10; B) THIS INCLUDES EMISSION UNITS U00002, U00003, U00012 FOR NOX, CO; C) THIS INCLUDES EMISSION UNITS U00002, U00003, U00009, U00012 FOR SO₂; D) THIS INCLUDES EMISSION UNITS U00002, U00009, U00012 FOR HYDROGEN FLUORIDE, LEAD,

CAPPED 1), 2) AT 179.81 TON/YR FOR PM, PM-10; 3A) AT 220.157 TON/YR FOR NOX; 3B) AT 68.188 TON/YR FOR SO₂; 4) AT 105.177 TON/YR FOR CO; 5) AT 0.179 TON/YR FOR HYDROGEN FLUORIDE; 6) AT 0.0058 TON/YR FOR LEAD. EMISSIONS ARE CAPPED BY LIMITING GLASS PULLED AT THE DM-1 LINE.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: GLASS
Upper Permit Limit: 62050 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 89: Capping Monitoring Condition
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 89.1:

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 89.2:

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

Item 89.3:

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,

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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 89.4:

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 89.5:

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 89.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: ONY075-00-5 PM-10

Item 89.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

FOR THE PAST PROJECT THAT INVOLVED THIS EMISSIONS UNIT, FUTURE POTENTIAL MINUS PRIOR ACTUAL EMISSIONS ARE CAPPED AT LESS THAN THE 15 TON/YR SIGNIFICANCE THRESHOLD FOR PM10 TO AVOID ATTAINMENT NEW SOURCE REVIEW (PSD).

A STACK TEST SHALL BE DONE AT THE FREQUENCY BELOW.

Upper Permit Limit: 3.542 pounds per hour

Reference Test Method: Methods 5 and 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 90: Compliance Certification

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.1383(c), Subpart NNN

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Item 90.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 90.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

PRECIPITATOR 3RD FIELD SECONDARY VOLTAGE
LIMITED TO THE VALUES FROM THE MOST
RECENT STACK TEST (THESE VALUES WERE ALSO
VERIFIED DURING THE 2001/2002 STACK
TESTS). THE UPPER LIMIT IS DETERMINED BY
AN ELECTRONIC LIMIT IN THE UNIT'S
CONTROL/ALARM SYSTEM.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH
40 CFR 63 NNN 1386(d)(1) AND
(d)(2)(ii).

THIS CONDITION ONLY APPLIES TO THE
APPLICATION OF THE EXISTING
PHENOL-FORMALDEHYDE BASED BINDER AND NOT
TO THE APPLICATION OF THE NEW
STARCH-BASED BINDER SYSTEM.

Parameter Monitored: VOLTAGE

Lower Permit Limit: 30 kilovolts

Upper Permit Limit: 70 kilovolts

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 91: Compliance Certification

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.1383(c), Subpart NNN

Item 91.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

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Facility DEC ID: 4012200004



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

Item 91.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

PRECIPITATOR 3RD FIELD SECONDARY
AMPERAGE LIMITED TO THE VALUES FROM THE
MOST RECENT STACK TEST (THESE VALUES WERE
ALSO VERIFIED DURING THE 2001/2002 STACK
TESTS). THE UPPER LIMIT IS DETERMINED BY
AN ELECTRONIC LIMIT IN THE UNIT'S
CONTROL/ALARM SYSTEM.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH
40 CFR 63 NNN 1386(d)(1) AND
(d)(2)(ii).

THIS CONDITION ONLY APPLIES TO THE
APPLICATION OF THE EXISTING
PHENOL-FORMALDEHYDE BASED BINDER AND NOT
TO THE APPLICATION OF THE NEW
STARCH-BASED BINDER SYSTEM.

Parameter Monitored: CURRENT/CURRENT DRAW

Lower Permit Limit: 100 milliamps

Upper Permit Limit: 400 milliamps

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 92: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 92.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

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

Item 92.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

PRECIPITATOR 3RD FIELD SECONDARY VOLTAGE
LIMITED TO THE VALUES FROM THE MOST
RECENT STACK TEST (THESE VALUES WERE ALSO
VERIFIED DURING THE 2001/2002 STACK
TESTS). THE UPPER LIMIT IS DETERMINED BY
AN ELECTRONIC LIMIT IN THE UNIT'S
CONTROL/ALARM SYSTEM.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH
PART 201-6.5(c).

Parameter Monitored: VOLTAGE

Lower Permit Limit: 30 kilovolts

Upper Permit Limit: 70 kilovolts

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 93: Compliance Certification

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 93.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 93.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

PRECIPITATOR 3RD FIELD SECONDARY
AMPERAGE LIMITED TO THE VALUES FROM THE
MOST RECENT STACK TEST (THESE VALUES WERE
ALSO VERIFIED DURING THE 2001/2002 STACK
TESTS). THE UPPER LIMIT IS DETERMINED BY
AN ELECTRONIC LIMIT IN THE UNIT'S
CONTROL/ALARM SYSTEM.



Emission Unit: U-00003

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

Item 94.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

FOR THE PAST PROJECT THAT INVOLVED THIS EMISSIONS UNIT, FUTURE POTENTIAL MINUS PRIOR ACTUAL EMISSIONS ARE CAPPED AT LESS THAN THE 15 TON/YR SIGNIFICANCE THRESHOLD FOR PM10 TO AVOID ATTAINMENT NEW SOURCE REVIEW (PSD).

STACK TESTING TO BE PERFORMED AT THE FREQUENCY BELOW. THE STACK TEST SHALL BE DONE FOR EMISSION POINTS 00005, 00102, 00103.

THIS LIMIT IS BASED ON THE TOTAL EMISSIONS FROM EMISSION UNIT U00003. SINCE ONLY 3 OF THE 5 SYSTEMS IN THE UNIT ARE TO BE STACK TESTED, 1.264 LB/HR MUST BE ADDED (FOR THE 1] MIST ELIMINATOR AND 2] COOLING SECTION) TO THE RESULTS FROM THE 3 STACKS AND COMPARED TO THE 23.131 LB/HR LIMIT.

Upper Permit Limit: 23.131 pounds per hour

Reference Test Method: Methods 5 and 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 95: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

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

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Item 95.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

PRECIPITATOR (EMISSION SOURCES FZEP1 AND FZEP2) SOLIDS CONTENT OF PLATE WASH WATER LIMITED TO THE VALUE DURING THE MOST RECENT STACK TEST (THIS VALUE WAS ALSO VERIFIED DURING THE 2001/2002 STACK TESTS). AS AN ALTERNATIVE, THE POUNDS PER GALLON LIMIT MAY BE MET.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH PART 201-6.5(c).

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 0.75 percent by weight

Reference Test Method: Owens Corning Test Method

Monitoring Frequency: DAILY

Averaging Method: 7-DAY AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 96: Compliance Certification

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 96.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 96.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

PRECIPITATOR (EMISSION SOURCES FZEP1 AND FZEP2) SOLIDS CONTENT OF PLATE WASH WATER LIMITED TO THE VALUE FROM THE MOST RECENT STACK TEST (THIS VALUE WAS ALSO VERIFIED DURING THE 2001/2002 STACK TESTS). AS

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AN ALTERNATIVE, THE PERCENT BY WEIGHT
LIMIT MAY BE MET.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH
PART 201-6.5(c).

Parameter Monitored: CONCENTRATION
Upper Permit Limit: 0.025 pounds per gallon
Reference Test Method: Owens Corning Test Method
Monitoring Frequency: DAILY
Averaging Method: 7-DAY AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 97: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 97.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003
Process: FZ1 Emission Source: FZ1SS

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

Item 97.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

PRESSURE DROP MINIMUM IS LIMITED TO THE
VALUE FROM THE MOST RECENT STACK TEST
(THIS VALUE WAS ALSO VERIFIED DURING THE
2001/2002 STACK TESTS). AN UPPER LIMIT
IS NOT NECESSARY, BECAUSE HIGHER PRESSURE
DROPS CAN ONLY ACHIEVE A HIGHER
PARTICULATE CONTROL EFFICIENCY.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH
201-6.5(c).

Parameter Monitored: PRESSURE CHANGE
Lower Permit Limit: 4 inches of water
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE

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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 98: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 98.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: FZ1

Emission Source: FZ1SS

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 98.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

WATER FLOW RATE LIMITED TO THE VALUE
FROM THE MOST RECENT STACK TEST (THIS
VALUE WAS ALSO VERIFIED DURING THE
2001/2002 STACK TESTS).

RECORDS SHALL BE KEPT IN ACCORDANCE WITH
PART 201-6.5(c).

Parameter Monitored: MASS FLOW RATE

Lower Permit Limit: 170 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 99: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 99.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: FZ1

Emission Source: FZ2SS

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

Item 99.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

PRESSURE DROP LIMITED TO THE VALUE FROM
THE MOST RECENT STACK TEST (THIS VALUE
WAS ALSO VERIFIED DURING THE 2001/2002
STACK TESTS). AN UPPER LIMIT IS NOT
NECESSARY, BECAUSE HIGHER PRESSURE DROPS
CAN ONLY ACHIEVE A HIGHER PARTICULATE
CONTROL EFFICIENCY.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH
PART 201-6.5(c).

Parameter Monitored: PRESSURE CHANGE
Lower Permit Limit: 4 inches of water
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 100: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 100.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003
Process: FZ1 Emission Source: FZ2SS

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

Item 100.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

WATER FLOW RATE LIMITED TO THE VALUE
FROM THE MOST RECENT STACK TEST (THIS

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Condition 102: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 102.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: FZ1

Emission Source: FZ5SS

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 102.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

PRESSURE DROP LIMITED TO THE VALUE FROM
THE MOST RECENT STACK TEST (THIS VALUE
WAS ALSO VERIFIED DURING THE 2001/2002
STACK TESTS). AN UPPER LIMIT IS NOT
NECESSARY, BECAUSE HIGHER PRESSURE DROPS
CAN ONLY ACHIEVE A HIGHER PARTICULATE
CONTROL EFFICIENCY.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH
PART 201-6.5(c).

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 4 inches of water

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 103: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 103.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: FZ1

Emission Source: FZ6SS

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



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

Item 103.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

PRESSURE DROP LIMITED TO THE VALUE FROM
THE MOST RECENT STACK TEST (THIS VALUE
WAS ALSO VERIFIED DURING THE 2001/2002
STACK TESTS). AN UPPER LIMIT IS NOT
NECESSARY, BECAUSE HIGHER PRESSURE DROPS
CAN ONLY ACHIEVE A HIGHER PARTICULATE
CONTROL EFFICIENCY.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH
PART 201-6.5(c).

Parameter Monitored: PRESSURE CHANGE
Lower Permit Limit: 4 inches of water
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 104: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 104.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003
Process: FZ1 Emission Source: FZ6SS

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

Item 104.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

WATER FLOW RATE LIMITED TO THE VALUE
FROM THE MOST RECENT STACK TEST (THIS
VALUE WAS ALSO VERIFIED DURING THE

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



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

Condition 106: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 106.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: FZ2

Emission Source: FZ3SS

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 106.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

WATER FLOW RATE LIMITED TO THE VALUE
FROM THE MOST RECENT STACK TEST (THIS
VALUE WAS ALSO VERIFIED DURING THE
2001/2002 STACK TESTS).

RECORDS SHALL BE KEPT IN ACCORDANCE WITH
PART 201-6.5(c).

Parameter Monitored: MASS FLOW RATE

Lower Permit Limit: 200 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 107: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 107.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: FZ2

Emission Source: FZ4SS

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Item 107.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

WATER FLOW RATE LIMITED TO THE VALUE
FROM THE MOST RECENT STACK TEST (THIS
VALUE WAS ALSO VERIFIED DURING THE
2001/2002 STACK TESTS).

RECORDS SHALL BE KEPT IN ACCORDANCE WITH
PART 201-6.5(c).

Parameter Monitored: MASS FLOW RATE

Lower Permit Limit: 200 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 108: Compliance Certification

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 108.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: FZ2

Emission Source: FZ4SS

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 108.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

PRESSURE DROP LIMITED TO THE VALUE FROM
THE MOST RECENT STACK TEST (THIS VALUE
WAS ALSO VERIFIED DURING THE 2001/2002
STACK TESTS). AN UPPER LIMIT IS NOT
NECESSARY, BECAUSE HIGHER PRESSURE DROPS
CAN ONLY ACHIEVE A HIGHER PARTICULATE
CONTROL EFFICIENCY.

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



RECORDS SHALL BE KEPT IN ACCORDANCE WITH
PART 201-6.5(c).

Parameter Monitored: PRESSURE CHANGE
Lower Permit Limit: 4 inches of water
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 109: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 109.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003
Process: FZ2 Emission Source: FZEP1

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

Item 109.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

PRECIPITATOR 3RD FIELD SECONDARY
AMPERAGE IS LIMITED TO THE VALUES FROM
THE MOST RECENT STACK TEST (THESE VALUES
WERE ALSO VERIFIED DURING THE 2001/2002
STACK TESTS). THE UPPER LIMIT IS
DETERMINED BY AN ELECTRONIC LIMIT IN THE
UNIT'S CONTROL/ALARM SYSTEM.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH
PART 201-6.5(c).

Parameter Monitored: CURRENT/CURRENT DRAW
Lower Permit Limit: 100 milliamps
Upper Permit Limit: 400 milliamps
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2011.
Subsequent reports are due every 6 calendar month(s).

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Condition 110: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 110.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: FZ2

Emission Source: FZEP1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 110.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

PRECIPITATOR 3RD FIELD SECONDARY VOLTAGE
IS LIMITED TO THE VALUES FROM THE MOST
RECENT STACK TEST (THESE VALUES WERE ALSO
VERIFIED DURING THE 2001/2002 STACK
TESTS). THE UPPER LIMIT IS DETERMINED BY
AN ELECTRONIC LIMIT IN THE UNIT'S
CONTROL/ALARM SYSTEM.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH
PART 201-6.5(c).

Parameter Monitored: VOLTAGE

Lower Permit Limit: 30 kilovolts

Upper Permit Limit: 70 kilovolts

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 111: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 111.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: FZ2

Emission Source: FZEP2

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



IS LIMITED TO THE VALUES FROM THE MOST RECENT STACK TEST (THESE VALUES WERE ALSO VERIFIED DURING THE 2001/2002 STACK TESTS). THE UPPER LIMIT IS DETERMINED BY AN ELECTRONIC LIMIT IN THE UNIT'S CONTROL/ALARM SYSTEM.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH PART 201-6.5(c).

Parameter Monitored: VOLTAGE
Lower Permit Limit: 30 kilovolts
Upper Permit Limit: 70 kilovolts
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 113: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement: 40CFR 63.1382(b)(6), Subpart NNN

Item 113.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003 Emission Point: 00005
Process: CO1 Emission Source: DM1AB

Regulated Contaminant(s):
CAS No: 000050-00-0 FORMALDEHYDE

Item 113.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:
INCINERATOR FIREBOX TEMPERATURE SHALL BE LIMITED TO GREATER THAN THE AVERAGE ESTABLISHED DURING THE MOST RECENT STACK TEST (THIS VALUE WAS ALSO VERIFIED DURING THE 2001/2002 STACK TESTS).

RECORDS SHALL BE KEPT IN ACCORDANCE WITH 40 CFR 63 NNN 1386(d)(1) AND (d)(2)(vii).

THIS CONDITION ONLY APPLIES TO THE APPLICATION OF THE EXISTING



PHENOL-FORMALDEHYDE BASED BINDER AND NOT
TO THE APPLICATION OF THE NEW
STARCH-BASED BINDER SYSTEM.

Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1300 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 114: VOL storage tanks from 10000 - 20000 gallons
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR 229.3 (e) (2) (iv)

Item 114.1:

This Condition applies to Emission Unit: U-00006

Item 114.2:

Volatile organic liquid tanks with a capacity greater than or equal to 10,000 gallons but less than 20,000 gallons must be equipped with submerged fill.

Condition 115: VOL storage tanks less than 10000 gallons
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR 229.3 (e) (2) (v)

Item 115.1:

This Condition applies to Emission Unit: U-00006

Item 115.2:

Volatile organic liquid tanks with a capacity of less than 10,000 gallons must be equipped with a conservation vent.

Condition 116: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.1382(b)(9), Subpart NNN

Item 116.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00007 Emission Point: 00027
Process: BDR Emission Source: BINDR

Regulated Contaminant(s):
CAS No: 000050-00-0 FORMALDEHYDE

Item 116.2:

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Compliance Certification shall include the following monitoring:

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

Monitoring Description:

A RESIN IN THE FORMULATION OF THE BINDER SHALL BE USED SUCH THAT THE FREE-FORMALDEHYDE CONTENT OF THE RESIN USED DOES NOT EXCEED THE RANGE IN THE SPECIFICATION FOR THE RESIN USED DURING THE MOST RECENT STACK TEST.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH 40 CFR 63 NNN 1386(d)(1) AND (d)(2)(v).

THIS CONDITION ONLY APPLIES TO THE APPLICATION OF THE EXISTING PHENOL-FORMALDEHYDE BASED BINDER AND NOT TO THE APPLICATION OF THE NEW STARCH-BASED BINDER SYSTEM.

Parameter Monitored: FORMALDEHYDE

Upper Permit Limit: 11.25 percent

Reference Test Method: 40 CFR 63 NNN Appendix B

Monitoring Frequency: PER DELIVERY

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 4/30/2011.

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

Condition 117: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.1382(b)(10), Subpart NNN

Item 117.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00007

Emission Point: 00027

Process: BDR

Emission Source: BINDR

Regulated Contaminant(s):

CAS No: 000050-00-0 FORMALDEHYDE

Item 117.2:

Compliance Certification shall include the following monitoring:

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

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Monitoring Description:

A BINDER FORMULATION SHALL BE USED THAT DOES NOT VARY FROM THE SPECIFICATION AND OPERATING RANGE ESTABLISHED AND USED DURING THE MOST RECENT STACK TEST. INCREASING THE QUANTITY OF UREA AND/OR LIGNIN DOES NOT CONSTITUTE CHANGING THE FORMULATION. AS AN ALTERNATIVE, THE RATIO BY WEIGHT SPECIFICATION MAY BE MET.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH 40 CFR 63 NNN 1386(d)(1) AND (d)(2)(v).

THIS CONDITION ONLY APPLIES TO THE APPLICATION OF THE EXISTING PHENOL-FORMALDEHYDE BASED BINDER AND NOT TO THE APPLICATION OF THE NEW STARCH-BASED BINDER SYSTEM.

Parameter Monitored: RESIN TO UREA RATIO

Lower Permit Limit: 2.31 ratio by volume

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

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 4/30/2011.

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

Condition 118: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement: 40CFR 63.1382(b)(10), Subpart NNN

Item 118.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00007

Emission Point: 00027

Process: BDR

Emission Source: BINDR

Regulated Contaminant(s):

CAS No: 000050-00-0

FORMALDEHYDE

Item 118.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:



A BINDER FORMULATION SHALL BE USED THAT DOES NOT VARY FROM THE SPECIFICATION AND OPERATING RANGE ESTABLISHED AND USED DURING THE MOST RECENT STACK TEST. INCREASING THE QUANTITY OF UREA AND/OR LIGNIN DOES NOT CONSTITUTE CHANGING THE FORMULATION. AS AN ALTERNATIVE, THE RATIO BY VOLUME SPECIFICATION MAY BE MET.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH 40 CFR 63 NNN 1386(d)(1) AND (d)(2)(v).

THIS CONDITION ONLY APPLIES TO THE APPLICATION OF THE EXISTING PHENOL-FORMALDEHYDE BASED BINDER AND NOT TO THE APPLICATION OF THE NEW STARCH-BASED BINDER SYSTEM.

Parameter Monitored: RESIN TO UREA RATIO
Lower Permit Limit: 2.21 ratio by weight
Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
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 4/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 119: Capping Monitoring Condition
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 119.1:

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 119.2:

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

Item 119.3:

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,

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



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 119.4:

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 119.5:

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 119.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Regulated Contaminant(s):

CAS No: ONY075-00-5 PM-10

Item 119.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

FOR THE PAST PROJECT THAT INVOLVED THIS EMISSIONS UNIT, FUTURE POTENTIAL MINUS PRIOR ACTUAL EMISSIONS ARE CAPPED AT LESS THAN THE 15 TON/YR SIGNIFICANCE THRESHOLD FOR PM-10 TO AVOID ATTAINMENT NEW SOURCE REVIEW (PSD).

STACK TESTING TO BE PERFORMED AT THE DISCRETION OF THE DEPARTMENT.

Upper Permit Limit: 5.207 pounds per hour

Reference Test Method: Methods 5 and 202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 120: Capping Monitoring Condition

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-7

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Item 120.1:

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 120.2:

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

Item 120.3:

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 120.4:

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 120.5:

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 120.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00009

Regulated Contaminant(s):

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

Item 120.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

FOR THE PAST PROJECT THAT INVOLVED THIS EMISSIONS UNIT, FUTURE POTENTIAL MINUS PRIOR ACTUAL EMISSIONS ARE CAPPED AT LESS THAN 0.136 LB/HR, THAT IS, LESS THAN THE 15 TON/YR SIGNIFICANCE THRESHOLD FOR



PM-10 TO AVOID ATTAINMENT NEW SOURCE REVIEW (PSD).

STACK TESTING OF THIS EMISSION UNIT IS NOT POSSIBLE: THERE IS NO EXHAUST STACK AND IT IS NOT POSSIBLE TO RETROFIT ANYTHING ONTO THE UNIT WHICH WOULD CAPTURE ALL OF ITS EMISSIONS.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 121: Capping Monitoring Condition
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 121.1:

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 121.2:

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

Item 121.3:

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 121.4:

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 121.5:

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 121.6:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Emission Unit: U-00010

Regulated Contaminant(s):

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

Item 121.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

FOR THE PAST PROJECT THAT INVOLVED THIS EMISSIONS UNIT, FUTURE POTENTIAL MINUS PRIOR ACTUAL EMISSIONS ARE CAPPED AT LESS THAN THE 15 TON/YR SIGNIFICANCE THRESHOLD FOR PM-10 TO AVOID ATTAINMENT NEW SOURCE REVIEW (PSD). FOR THIS EMISSION UNIT, THE CAP IS SET AT 0.278 LB/HR, WITH ANNUAL EMISSIONS ALSO CAPPED TO THE PRODUCT OF THIS LIMIT AND 8760 HOURS/YEAR. EMISSIONS FROM SOURCES IN THIS EMISSION UNIT ARE FUGITIVE IN NATURE, AND THUS STACK TESTING OF THIS EMISSION UNIT IS NOT POSSIBLE DUE TO A LACK OF AN ACTUAL STACK AND BECAUSE OF VARYING PARAMETERS. THEREFORE, TO MONITOR COMPLIANCE WITH THE TON PER YEAR AND LB/HR THRESHOLDS, THE FACILITY SHALL ON A CONTINUOUS BASIS COMPLY WITH ITS FUGITIVE DUST CONTROL PLAN REQUIRED FOR THIS EMISSION UNIT ELSEWHERE IN THIS PERMIT (UNDER 6 NYCRR 211.2 CITATION).

RECORDS SHALL BE KEPT IN ACCORDANCE WITH PART 201-6.5(C).

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 4/30/2011.

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

Condition 122: Capping Monitoring Condition

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 122.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the

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Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



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 122.2:

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

Item 122.3:

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 122.4:

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 122.5:

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 122.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00012

Regulated Contaminant(s):

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

Item 122.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

FOR THE PAST PROJECT THAT INVOLVED THIS EMISSIONS UNIT, FUTURE POTENTIAL MINUS PRIOR ACTUAL EMISSIONS ARE CAPPED AT LESS THAN THE 15 TON/YR SIGNIFICANCE THRESHOLD FOR PM-10 TO AVOID ATTAINMENT NEW SOURCE REVIEW (PSD). THIS LIMIT IS APPROXIMATELY EQUIVALENT TO 0.336 LBS/TON OF GLASS (METHOD 5).

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Regulated Contaminant(s):

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

CAS No: 0NY998-00-0 VOC

Item 123.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

FOR THE PAST PROJECT THAT INVOLVED THIS EMISSIONS UNIT, MAXIMUM ANNUAL POTENTIAL (MAP) MINUS PRIOR ACTUAL ANNUAL EMISSIONS ARE CAPPED AT LESS THAN THE 40 TON/YR SIGNIFICANT SOURCE PROJECT THRESHOLD (SSPT) TO AVOID NON ATTAINMENT NEW SOURCE REVIEW (PART 231-2).

THE SUM OF FUTURE POTENTIAL EMISSIONS FROM THE EMISSIONS UNITS SPECIFIED IN THIS PERMIT, A) THIS INCLUDES EMISSION UNITS U00002, U00003, U00005, U00007, U00010, U00012 FOR VOC, B) THIS INCLUDES EMISSION UNITS U00002, U00003, U00012 FOR NOX,

CAPPED 1) AT 54.776 TON/YR FOR VOC; 2) AT 220.157 TON/YR FOR NOX. EMISSIONS ARE CAPPED BY LIMITING GLASS PULLED AT THE DM-1 LINE.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: GLASS

Upper Permit Limit: 58400 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2011.

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

Condition 124: Capping Monitoring Condition

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 124.1:

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

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otherwise be subject to:

40 CFR 52.21

Item 124.2:

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

Item 124.3:

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 124.4:

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 124.5:

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 124.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00012

Regulated Contaminant(s):

CAS No: 000630-08-0	CARBON MONOXIDE
CAS No: 007439-92-1	LEAD
CAS No: 007446-09-5	SULFUR DIOXIDE
CAS No: 007664-39-3	HYDROGEN FLUORIDE
CAS No: 0NY075-00-5	PM-10
CAS No: 0NY210-00-0	OXIDES OF NITROGEN
CAS No: 0NY075-00-0	PARTICULATES

Item 124.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

FOR THE PAST PROJECT THAT INVOLVED THIS EMISSIONS UNIT, FUTURE POTENTIAL MINUS PRIOR ACTUAL EMISSIONS CAPPED AT 1) LESS



THAN THE 25 TON/YR SIGNIFICANCE THRESHOLD FOR PM; 2) LESS THAN THE 15 TON/YR SIGNIFICANCE THRESHOLD FOR PM-10; 3) LESS THAN THE 40 TON/YR SIGNIFICANCE THRESHOLD FOR NOX, SO₂; 4) LESS THAN THE 100 TON/YR SIGNIFICANCE THRESHOLD FOR CO; 5) LESS THAN THE 3 TON/YR SIGNIFICANCE THRESHOLD FOR HYDROGEN FLUORIDE; 6) LESS THAN THE 0.6 TON/YR SIGNIFICANCE THRESHOLD FOR LEAD TO AVOID ATTAINMENT NEW SOURCE REVIEW (PSD).

THE SUM OF FUTURE POTENTIAL EMISSIONS FROM THE EMISSIONS UNITS SPECIFIED IN THIS PERMIT, A) THIS INCLUDES EMISSION UNITS U00001, U00002, U00003, U00005, U00008, U00009, U00010, U00012, U00017 FOR PM, PM-10; B) THIS INCLUDES EMISSION UNITS U00002, U00003, U00012 FOR NOX, CO; C) THIS INCLUDES EMISSION UNITS U00002, U00003, U00009, U00012 FOR SO₂; D) THIS INCLUDES EMISSION UNITS U00002, U00009, U00012 FOR HYDROGEN FLUORIDE, LEAD,

CAPPED 1), 2) AT 179.81 TON/YR FOR PM, PM-10; 3A) AT 220.157 TON/YR FOR NOX; 3B) AT 68.188 TON/YR FOR SO₂; 4) AT 105.177 TON/YR FOR CO; 5) AT 0.179 TON/YR FOR HYDROGEN FLUORIDE; 6) AT 0.0058 TON/YR FOR LEAD.

EMISSIONS ARE CAPPED BY LIMITING GLASS PULLED AT THE DM-2 LINE.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: GLASS

Upper Permit Limit: 58400 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2011.

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

Condition 125: Compliance Certification

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.1383(c), Subpart NNN

Item 125.1:

The Compliance Certification activity will be performed for:

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Facility DEC ID: 4012200004



Emission Unit: U-00012

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 125.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

PRECIPITATOR 3RD FIELD SECONDARY VOLTAGE
LIMITED TO THE VALUES FROM THE MOST
RECENT STACK TEST (THESE VALUES WERE ALSO
VERIFIED DURING THE 2001/2002 STACK
TESTS). THE UPPER LIMIT IS DETERMINED BY
AN ELECTRONIC LIMIT IN THE UNIT'S
CONTROL/ALARM SYSTEM.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH
40 CFR 63 NNN 1386(d)(1) AND
(d)(2)(ii).

THIS CONDITION ONLY APPLIES TO THE
APPLICATION OF THE EXISTING
PHENOL-FORMALDEHYDE BASED BINDER AND NOT
TO THE APPLICATION OF THE NEW
STARCH-BASED BINDER SYSTEM.

Parameter Monitored: VOLTAGE

Lower Permit Limit: 30 kilovolts

Upper Permit Limit: 70 kilovolts

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 126: Compliance Certification

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement: 40CFR 63.1383(c), Subpart NNN

Item 126.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00012

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

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Facility DEC ID: 4012200004



Item 126.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

PRECIPITATOR 3RD FIELD SECONDARY
AMPERAGE LIMITED TO THE VALUES FROM THE
MOST RECENT STACK TEST (THESE VALUES WERE
ALSO VERIFIED DURING THE 2001/2002 STACK
TESTS). THE UPPER LIMIT IS DETERMINED BY
AN ELECTRONIC LIMIT IN THE UNIT'S
CONTROL/ALARM SYSTEM.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH
40 CFR 63 NNN 1386(d)(1) AND
(d)(2)(ii).

THIS CONDITION ONLY APPLIES TO THE
APPLICATION OF THE EXISTING
PHENOL-FORMALDEHYDE BASED BINDER AND NOT
TO THE APPLICATION OF THE NEW
STARCH-BASED BINDER SYSTEM.

Parameter Monitored: CURRENT/CURRENT DRAW

Lower Permit Limit: 100 milliamps

Upper Permit Limit: 400 milliamps

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 127: Compliance Certification

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 127.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00012

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 127.2:

Compliance Certification shall include the following monitoring:

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



Monitoring Description:

PRECIPITATOR 3RD FIELD SECONDARY VOLTAGE LIMITED TO THE VALUES FROM THE MOST RECENT STACK TEST (THESE VALUES WERE ALSO VERIFIED DURING THE 2001/2002 STACK TESTS). THE UPPER LIMIT IS DETERMINED BY AN ELECTRONIC LIMIT IN THE UNIT'S CONTROL/ALARM SYSTEM.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH PART 201-6.5(c).

Parameter Monitored: VOLTAGE

Lower Permit Limit: 30 kilovolts

Upper Permit Limit: 70 kilovolts

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 128: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 128.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00012

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 128.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

PRECIPITATOR 3RD FIELD SECONDARY AMPERAGE LIMITED TO THE VALUES FROM THE MOST RECENT STACK TEST (THESE VALUES WERE ALSO VERIFIED DURING THE 2001/2002 STACK TESTS). THE UPPER LIMIT IS DETERMINED BY AN ELECTRONIC LIMIT IN THE UNIT'S CONTROL/ALARM SYSTEM.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH PART 201-6.5(c).

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Parameter Monitored: CURRENT/CURRENT DRAW

Lower Permit Limit: 100 milliamps

Upper Permit Limit: 400 milliamps

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

Condition 129: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40CFR 63.1382(b)(6), Subpart NNN

Item 129.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00013

Emission Point: 00017

Process: FC2

Emission Source: DM2AB

Regulated Contaminant(s):

CAS No: 000050-00-0 FORMALDEHYDE

Item 129.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

INCINERATOR FIREBOX TEMPERATURE SHALL BE LIMITED TO GREATER THAN THE AVERAGE ESTABLISHED DURING THE MOST RECENT STACK TEST (THIS VALUE WAS ALSO VERIFIED DURING THE 2001/2002 STACK TESTS).

RECORDS SHALL BE KEPT IN ACCORDANCE WITH 40 CFR 63 NNN 1386(d)(1) AND (d)(2)(viii).

THIS CONDITION ONLY APPLIES TO THE APPLICATION OF THE EXISTING PHENOL-FORMALDEHYDE BASED BINDER AND NOT TO THE APPLICATION OF THE NEW STARCH-BASED BINDER SYSTEM.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1303 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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Facility DEC ID: 4012200004



The initial report is due 4/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 130: Compliance Certification
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:40 CFR Part 64

Item 130.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00013 Emission Point: 00017
Process: FC2 Emission Source: DM2DB

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

Item 130.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE DM-2 DROP-OUT BOX WATER SUPPLY
MINIMUM SHALL BE LIMITED.

WITHIN 180 DAYS OF THE EFFECTIVE DATE OF
THE PERMIT THE FACILITY SHALL:
1) DESIGN, PROCURE, INSTALL AND
COMMISSION THE WATER FLOW MONITORING
INSTRUMENTATION.

2) COMPLETE A WATER FLOW MONITORING
PROGRAM. THIS WILL INCLUDE CREATION OF A
DATA BASE OF ACTUAL FLOWS AND ANALYSIS OF
THE FLOW DATA TO ESTABLISH THE MINIMUM
ACCEPTABLE FLOW RATE. RATES SHALL BE
VERIFIED ONCE DURING THE PERMIT TERM
DURING THE REQUIRED "ONCE DURING PERMIT
TERM" STACK TEST.

NOTE: IF THE DM-2 PRODUCTION LINE IS NOT
OPERATIONAL AFTER 180 DAYS AFTER THE
EFFECTIVE DATE OF THIS PERMIT, THEN THE
ABOVE REQUIREMENTS SHALL COMMENCE WITHIN
180 DAYS AFTER THE FIRST RE-START OF THE
DM-2 PRODUCTION LINE.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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



Condition 131: Capping Monitoring Condition
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 131.1:

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 131.2:

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

Item 131.3:

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 131.4:

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 131.5:

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 131.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00017

Regulated Contaminant(s):

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

Item 131.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



FOR THE PAST PROJECT THAT INVOLVED THIS EMISSION UNIT, FUTURE POTENTIAL MINUS PRIOR ACTUAL EMISSIONS ARE CAPPED AT LESS THAN THE 15 TON/YR SIGNIFICANCE THRESHOLD FOR PM-10 TO AVOID PSD (ATTAINMENT NEW SOURCE REVIEW) REQUIREMENTS. FOR THIS EMISSION UNIT, THE CAP IS SET AT 6.336 LB/HR, WITH ANNUAL EMISSIONS ALSO CAPPED TO THE PRODUCT OF THIS LIMIT AND 8760 HOURS/YEAR. EMISSIONS FROM SOURCES IN THIS EMISSION UNIT ARE FUGITIVE IN NATURE, AND THUS STACK TESTING OF THIS EMISSION UNIT IS NOT POSSIBLE DUE TO A LACK OF AN ACTUAL STACK AND BECAUSE OF VARYING PARAMETERS. THEREFORE, TO MONITOR COMPLIANCE WITH THE TON PER YEAR AND LB/HR THRESHOLDS, THE FACILITY SHALL TRACK OPERATING HOURS OF THE PENCLONE UNITS WHICH ARE USED TO COLLECT PARTICULATE MATTER RESULTING FROM FIBERGLASS CUTTING, TRIMMING, AND REPACKING. THE FACILITY SHALL ALSO MAINTAIN NORMAL WORK PRACTICES AND CONDUCT PERIODIC INSPECTIONS TO ENSURE PENCLONE FACBRIC INTEGRITY.

RECORDS SHALL BE KEPT IN ACCORDANCE WITH PART 201-6.5(C).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 5/30/2011.

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 132: Contaminant List
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable State Requirement:ECL 19-0301

Item 132.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000050-00-0
Name: FORMALDEHYDE



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

CAS No: 007439-92-1
Name: LEAD

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

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

CAS No: 007664-41-7
Name: AMMONIA

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

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

CAS No: 0NY075-02-5
Name: PM 2.5

CAS No: 0NY100-00-0
Name: HAP

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

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

Condition 133: Unavoidable noncompliance and violations
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable State Requirement:6 NYCRR 201-1.4

Item 133.1:

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

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency



and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

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

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

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

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

Condition 134: Air pollution prohibited
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable State Requirement:6 NYCRR 211.2

Item 134.1:

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 135: Compliance Demonstration
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable State Requirement:6 NYCRR 220-2.3 (a)



Item 135.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 135.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

By December 1, 2010, the facility owner or operator must submit to the department a NOx reasonably available control technology (RACT) analysis and, if required, an application for a permit modification in accordance with the provisions of Subpart 201-6 of this Title for the glass melting furnaces under the DM-1 and DM-2 manufacturing lines. Such analysis shall propose a RACT emission limit(s) expressed in pounds of NOx per ton of glass produced and identify the procedures and monitoring equipment to be used to demonstrate compliance with the proposed RACT emission limit(s). RACT, as approved by the department, must be implemented by July 1, 2012.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 136: Compliance Demonstration
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable State Requirement:6 NYCRR 231-11.2 (b)

Item 136.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00003
Process: BP1

Emission Unit: U-00003
Process: CO1

Emission Unit: U-00003
Process: CS1

Emission Unit: U-00003
Process: FZ1

Emission Unit: U-00003
Process: FZ2

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Emission Unit: U-00003
Process: ME1

Emission Unit: U-00003
Process: SS1

Emission Unit: U-00006
Process: 212

Emission Unit: U-00006
Process: 229

Emission Unit: U-00006
Process: MSH

Emission Unit: U-00007
Process: BDR

Emission Unit: U-00010
Process: FES

Emission Unit: U-00013
Process: FC2

Emission Unit: U-00014
Process: CS2

Emission Unit: U-00014
Process: SC2

Regulated Contaminant(s):

CAS No: 000630-08-0	CARBON MONOXIDE
CAS No: 007446-09-5	SULFUR DIOXIDE
CAS No: 0NY075-00-5	PM-10
CAS No: 0NY210-00-0	OXIDES OF NITROGEN
CAS No: 0NY075-02-5	PM 2.5
CAS No: 0NY075-00-0	PARTICULATES

Item 136.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

There is no projected increase in non-VOC emissions as a result of the starch-based binder formulation and conversion project. Thus, the proposed project is not subject to NNSR/PSD for non-VOC new source review (NSR) regulated pollutants under 6 NYCRR Part 231. However, the project does trigger the "reasonable possibility" requirements for insignificant modifications contained in 6 NYCRR 231-11.2(b) for non-VOC NSR pollutants.

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Therefore, for this project, the facility owner or operator shall maintain the following required information for a minimum of five (5) years, including for the associated exempt and trivial activities:

- A description of the modification;
- An identification of each new or modified emission source(s) including the associated processes and emission unit;
- The calculation of the project emission potential for each modified emission source(s) including supporting documentation; and
- The date the modification commenced operation.

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 4/30/2011.

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

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

Condition 137: Compliance Demonstration

Effective between the dates of 11/05/2010 and 11/04/2015

Applicable State Requirement:6 NYCRR 211.2

Item 137.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005

Process: AA1

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 137.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

ASPHALT APPLICATOR BATH TEMPERATURE LIMITED. RECORDS SHALL BE KEPT IN ACCORDANCE WITH PART 201-6.5(c).

New York State Department of Environmental Conservation

Permit ID: 4-0122-00004/00039

Facility DEC ID: 4012200004



Parameter Monitored: TEMPERATURE
Lower Permit Limit: 0 degrees Fahrenheit
Upper Permit Limit: 425 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: 15-MINUTE ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 138: Compliance Demonstration
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable State Requirement:6 NYCRR 211.2

Item 138.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00010

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

Item 138.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

WITHIN 180 DAYS OF PERMIT ISSUANCE, THE FACILITY SHALL SUBMIT TO THE DEPARTMENT A BRIEF FUGITIVE DUST CONTROL PLAN TO ADDRESS FUGITIVES FROM CULLET SPILLED ON THE GROUND BETWEEN THE FURNACE BUILDING AND CULLET STORAGE PILE.

AFTER THE PLAN IS APPROVED, THE FACILITY SHALL COMPLY WITH THE PLAN.

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 4/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 139: Compliance Demonstration
Effective between the dates of 11/05/2010 and 11/04/2015

Applicable State Requirement:6 NYCRR 211.2

Item 139.1:

The Compliance Demonstration activity will be performed for:

