



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 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 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

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Applications for Permit Renewals and Modifications

Permit modifications, suspensions or revocations by the Department

Permit Modifications, Suspensions and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal -REGION 6

HEADQUARTERS

Submission of application for permit modification or renewal-REGION 6

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: 6NYCRR 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:



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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: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 4.1:

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 4.2:

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 4.3:

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

Condition 6: Permit Modifications, Suspensions and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 6.1:

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;

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- 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 7: Submission of Applications for Permit Modification or Renewal -REGION 6 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.5(a)

Item 7.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 6 Headquarters
Division of Environmental Permits
State Office Building, 317 Washington Street
Watertown, NY 13601-3787
(315) 785-2245

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

Item 8.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 6 Headquarters
Division of Environmental Permits
State Office Building, 317 Washington Street
Watertown, NY 13601-3787
(315) 785-2245



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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: GENERAL MOTORS CORP
300 RENAISSANCE CTR
M C 482 C29 B24
DETROIT, MI 48265-3000

Facility: GM POWERTRAIN - MASSENA PLANT
ROOSEVELTOWN RD
MASSENA, NY 13662

Authorized Activity By Standard Industrial Classification Code:
3365 - ALUMINUM FOUNDRIES

Permit Effective Date:

Permit Expiration Date:



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6NYCRR 201-6.5(a)(7): Fees
- 3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 6 6NYCRR 202-2.1: Compliance Certification
- 7 6NYCRR 202-2.5: Recordkeeping requirements
- 8 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 9 6NYCRR 200.7: Maintenance of Equipment
- 10 6NYCRR 201-1.7: Recycling and Salvage
- 11 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 12 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 13 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 14 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 15 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 16 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 17 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 18 6NYCRR 202-1.1: Required Emissions Tests
- 19 6NYCRR 211.3: Visible Emissions Limited
- 20 40CFR 68: Accidental release provisions.
- 21 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 22 6NYCRR 201-6: Emission Unit Definition
- 25 6NYCRR 201-6.5(e): Compliance Certification
- 23 6NYCRR 201-6.5(f): Compliance Certification
- 24 6NYCRR 201-6.5(f): Compliance Certification
- 26 6NYCRR 201-6.5(f): Compliance Certification
- 27 6NYCRR 201-6.5(g): Non Applicable requirements
- 28 6NYCRR 201-7.2: Facility Permissible Emissions
- *29 6NYCRR 201-7.2: Capping Monitoring Condition
- *30 6NYCRR 201-7.2: Capping Monitoring Condition
- *31 6NYCRR 201-7.2: Capping Monitoring Condition
- *32 6NYCRR 201-7.2: Capping Monitoring Condition
- *33 6NYCRR 201-7.2: Capping Monitoring Condition
- *34 6NYCRR 201-7.2: Capping Monitoring Condition
- *35 6NYCRR 201-7.2: Capping Monitoring Condition
- *36 6NYCRR 201-7.2: Capping Monitoring Condition
- *37 6NYCRR 201-7.2: Capping Monitoring Condition
- 38 6NYCRR 212.4(a): Compliance Certification
- 39 6NYCRR 212.4(a): Compliance Certification



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- 40 6NYCRR 212.4(c): Compliance Certification
- 41 6NYCRR 212.4(c): Compliance Certification
- 42 6NYCRR 212.4(c): Compliance Certification
- 43 6NYCRR 212.6(a): Compliance Certification
- 44 6NYCRR 212.11(a): Sampling and Monitoring
- 45 6NYCRR 225-1.8(a): Compliance Certification
- 46 40CFR 64: Compliance Certification

Emission Unit Level

- 47 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 48 6NYCRR 201-6: Process Definition By Emission Unit

EU=1-GMFAC,Proc=PWR

- 49 6NYCRR 227-1.3(a): Compliance Certification

EU=1-GMFAC,Proc=PWR,ES=PWR02

- 50 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 51 40CFR 60.7(a), NSPS Subpart A: Date of construction notification -
If a COM is not used.
- 52 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 53 40CFR 60.9, NSPS Subpart A: Availability of information.
- 54 40CFR 60.12, NSPS Subpart A: Circumvention.
- 55 40CFR 60.14, NSPS Subpart A: Modifications.
- 56 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Certification
- 57 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Certification

EU=G-MCAST,Proc=CL1

- *58 6NYCRR 201-7.2: Capping Monitoring Condition
- *59 6NYCRR 201-7.2: Capping Monitoring Condition
- *60 6NYCRR 201-7.2: Capping Monitoring Condition

EU=G-MCAST,Proc=CL2

- *61 6NYCRR 201-7.2: Capping Monitoring Condition
- *62 6NYCRR 201-7.2: Capping Monitoring Condition
- *63 6NYCRR 201-7.2: Capping Monitoring Condition

EU=G-MCAST,Proc=CL3

- *64 6NYCRR 201-7.2: Capping Monitoring Condition
- *65 6NYCRR 201-7.2: Capping Monitoring Condition
- *66 6NYCRR 201-7.2: Capping Monitoring Condition

EU=G-MCAST,Proc=CL4

- *67 6NYCRR 201-7.2: Capping Monitoring Condition
- *68 6NYCRR 201-7.2: Capping Monitoring Condition
- *69 6NYCRR 201-7.2: Capping Monitoring Condition

EU=G-MCAST,Proc=CL5

- *70 6NYCRR 201-7.2: Capping Monitoring Condition

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*71 6NYCRR 201-7.2: Capping Monitoring Condition

*72 6NYCRR 201-7.2: Capping Monitoring Condition

EU=G-MCAST,Proc=HVC,ES=HVC10

*73 6NYCRR 201-7.2: Capping Monitoring Condition

*74 6NYCRR 201-7.2: Capping Monitoring Condition

*75 6NYCRR 201-7.2: Capping Monitoring Condition

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

76 ECL 19-0301: Contaminant List

77 6NYCRR 201-1.4: Unavoidable noncompliance and violations

78 6NYCRR 211.2: Air pollution prohibited

79 6NYCRR 212.4(a): Compliance Demonstration

80 6NYCRR 221.2: Asbestos containing surface coatings prohibited

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 - 6NYCRR Part 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 - 6NYCRR Part 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



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Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR 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 Part 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 Part 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 Part 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 Part 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 - 6NYCRR Part 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

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order to maintain compliance with the conditions of this permit.

Item H: Property Rights - 6 NYCRR Part 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 Part 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 Part 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

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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 Part 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



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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 for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 200.6

Item 1.1:

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit



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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 for entire length of Permit

Applicable Federal Requirement: 6NYCRR 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 72-0302.

Condition 3: Recordkeeping and reporting of compliance monitoring
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 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 for entire length of Permit

Applicable Federal Requirement: 6NYCRR 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



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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 for entire length of Permit

Applicable Federal Requirement: 6NYCRR 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 60 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.

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(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.

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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 60 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 202-2.1

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:

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



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Facility DEC ID: 6405800004

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 7: Recordkeeping requirements
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 7.1:

(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 8: Open Fires Prohibited at Industrial and Commercial Sites
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 215

Item 8.1:

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

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 9: Maintenance of Equipment
Effective for entire length of Permit



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Applicable Federal Requirement: 6NYCRR 200.7

Item 9.1:

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 10: Recycling and Salvage
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 201-1.7

Item 10.1:

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 11: Prohibition of Reintroduction of Collected Contaminants to the air
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 11.1:

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 12: Exempt Sources - Proof of Eligibility
Effective for entire length of Permit

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

Item 12.1:

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 13: Trivial Sources - Proof of Eligibility
Effective for entire length of Permit

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



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Item 13.1:

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 14: Standard Requirement - Provide Information
Effective for entire length of Permit**

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

Item 14.1:

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

**Condition 15: General Condition - Right to Inspect
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-6.5(a)(8)

Item 15.1:

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

- (i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- (ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- (iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and
- (iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

**Condition 16: Standard Requirements - Progress Reports
Effective for entire length of Permit**

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Applicable Federal Requirement: 6NYCRR 201-6.5(d)(5)

Item 16.1:

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

- (i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
- (ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 17: Off Permit Changes
Effective for entire length of Permit

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

Item 17.1:

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

- (i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.
- (ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

Condition 18: Required Emissions Tests
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 18.1:

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. Such person shall bear the cost of



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measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

Condition 19: Visible Emissions Limited
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 211.3

Item 19.1:

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 20: Accidental release provisions.
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 68

Item 20.1:

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

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

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

Condition 21: Recycling and Emissions Reduction
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 21.1:

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

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

**Condition 22: Emission Unit Definition
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-6

Item 22.1:

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

Emission Unit: 1-GMFAC

Emission Unit Description:

THIS EMISSION UNIT COMPRISES THE FACILITY WIDE SERVICES INCLUDING THE MISCELLANEOUS SAND HANDLING OPERATIONS, HEAT TREATING OVENS, BOILERS, AND ROADWAYS.

Building(s): 01

Item 22.2:

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

Emission Unit: G-MCAST

Emission Unit Description:

CASTING OPERATIONS: THIS EMISSION UNIT INCLUDES MODULE ALUMINUM CAST LINES #1 THROUGH #5, THE HVC LINE AND THE MACHINING CENTERS.

Building(s): 01

Item 22.3:

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

Emission Unit: G-MMELT

Emission Unit Description:

THIS EMISSION UNIT COMPRISES THE ALUMINUM MELTING OPERATIONS INCLUDING THE ALUMINUM REVERBERATORY FURNACES, DRY HEARTH FURNACE, JET MELTER, DROSS BINS AND SNIF UNITS.

Building(s): 01



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Item 22.4:

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

Emission Unit: G-MMOLD

Emission Unit Description:

This emission unit comprises the molding operations including bead expansion and cast line molding. Each bead expander vents to a carbon canister for in plant odor control. The mold aging ovens can be used for several functions. The primary function is to reduce the amount of pentane in the foam patterns that will be used in the cast lines. The secondary function of the aging ovens is to "reduce" off-spec beads for disposal. This process removes all the pentane in the beads, and thus reduces the bead volume, making handling and disposal easier. The pentane emissions from either of these processes are equivalent. Polystyrene beads containing trace amounts of bromine are used at the facility. A previous Air-guide 1 modeling analysis indicates that the trace amounts of Bromine and Hydrogen Bromide emitted from the use of these beads will not exceed Air Guide 1 guideline concentrations at or beyond the fence line.

Building(s): 01

**Condition 25: Compliance Certification
Effective for entire length of Permit**

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

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

Item 25.2:

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

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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 after the anniversary date of four consecutive calendar quarters as specified below. The first report is due after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

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

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

The address for the RAPCE is as follows:

State Office Building
317 Washington Street



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Watertown, NY 13601-3787

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 60 days after the reporting period.
The initial report is due 3/1/2008.
Subsequent reports are due on the same day each year

Condition 23: Compliance Certification
Effective for entire length of Permit

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

Item 23.1:

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

Emission Unit: G-MMELT
Process: ME2 Emission Source: ME202

Emission Unit: G-MMELT
Process: ME2 Emission Source: ME203

Emission Unit: G-MMELT
Process: ME2 Emission Source: ME204

Emission Unit: G-MMELT
Process: ME2 Emission Source: ME205

Emission Unit: G-MMELT
Process: ME2 Emission Source: ME206

Emission Unit: G-MMELT
Process: ME3 Emission Source: ME301

Emission Unit: G-MCAST
Process: CL1 Emission Source: CL101

Emission Unit: G-MCAST
Process: CL2 Emission Source: CL201

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Emission Unit: G-MCAST
Process: CL3 Emission Source: CL301

Emission Unit: G-MCAST
Process: CL4 Emission Source: CL401

Emission Unit: G-MCAST
Process: CL5 Emission Source: CL501

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC01

Item 23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The objective of this condition is to provide operational flexibility at the GM Powertrain facility by building into the Title V permit the capability to make certain changes using a protocol. As provided under 6 NYCRR Part 201-6.5(f)(2), changes made under an approved protocol are not subject to the Title V permit modification provisions under 6 NYCRR Part 201-6.7.

Changes in polystyrene beads used at the facility can be made provided the following:

-DAR-1 annual and short term guideline concentrations for hydrogen bromide (and any other air toxic generated from the operations that the facility is already permitted to emit) at and beyond the fence line of the facility are not exceeded

-Operating restrictions or controls are not needed to ensure compliance with the guideline concentrations for the subject toxics based on the appropriate modeling.

-The change cannot be part of a source project that results in significant net emissions increases that exceed PSD/NSR thresholds under 6 NYCRR Part 231-2 or 40 CFR 52.21.



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The changes can take place when the Departmental notification has been made. The notification shall include the following documentation:

-Identification of the emission source(s) affected by the change.

-Documentation of the DAR-1 analysis

-A copy of the MSDS sheet(s) for the new beads

-Certification stating the changes are not part of a Source project requiring review for applicability to NSR/PSD requirements.

-Calculations showing the annual emission rate potential for all contaminants affected by the change.

-Any other relevant information used for evaluation of the change.

The Department shall respond within 15 days if further review or action is required for the changes being made.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 24: Compliance Certification
Effective for entire length of Permit**

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

Item 24.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: G-MMELT

Process: ME2

Emission Source: ME202

Emission Unit: G-MMELT

Process: ME2

Emission Source: ME203



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Emission Unit: G-MMELT
Process: ME2 Emission Source: ME204

Emission Unit: G-MMELT
Process: ME2 Emission Source: ME205

Emission Unit: G-MMELT
Process: ME2 Emission Source: ME206

Emission Unit: G-MMELT
Process: ME3 Emission Source: ME301

Emission Unit: G-MCAST
Process: CL1 Emission Source: CL101

Emission Unit: G-MCAST
Process: CL2 Emission Source: CL201

Emission Unit: G-MCAST
Process: CL3 Emission Source: CL301

Emission Unit: G-MCAST
Process: CL4 Emission Source: CL401

Emission Unit: G-MCAST
Process: CL5 Emission Source: CL501

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC01

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The objective of this condition is to provide operational flexibility at the GM Powertrain facility by building into the Title V permit the capability to make certain changes using a protocol. As provided under 6 NYCRR Part 201-6.5(f)(2), changes made under an approved protocol are not subject to the Title V permit modification provisions under 6 NYCRR Part 201-6.7.

Sand, mullite or equivalent material could be used at any of the cast lines provided the following:

-Based on manufacturer's data,



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emission of particulate matter (i.e. silt/fines content) from use of these materials is equivalent, and will not effect the operating capacity of these cast lines.

-Operating restrictions or controls are not needed to ensure compliance with the emission limits set forth in the permit.

-The change cannot be part of a source project that results in significant net emissions increases that exceed PSD/NSR thresholds under 6 NYCRR Part 231-2 or 40 CFR 52.21.

The changes can take place when the Departmental notification has been made. The notification shall include the following documentation:

-Identification of the emission source(s) affected by the change.

-Certification stating the changes are not part of a Source project requiring review for applicability to NSR/PSD requirements.

-Calculations showing the annual emission rate potential for all contaminants affected by the change.

-Any other relevant information used for evaluation of the change.

The Department shall respond within 15 days if further review or action is required for the changes being made.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 26: Compliance Certification
Effective for entire length of Permit**

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



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Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The objective of this condition is to provide operational flexibility at the GM Powertrain facility by building into the Title V permit the capability to make certain changes using a protocol. As provided under 6 NYCRR Part 201-6.5(f)(2), changes made under an approved protocol are not subject to the Title V permit modification provisions under 6 NYCRR Part 201-6.7.

Changes in salt fluxing agents may be made in the molten furnaces, the reverberatory furnaces and the "jet" melter provided the following:

-DAR-1 annual and short term guideline concentrations for hydrogen chloride and hydrogen fluoride (and any other air toxic generated from the fluxing operations that the facility is already permitted to emit) at and beyond the fence line of the facility are not exceeded

-Operating restrictions or controls are not needed to ensure compliance with the guideline concentrations for these toxics based on the appropriate modeling.

-The change cannot be part of a source project that results in significant net emissions increases that exceed PSD/NSR thresholds under 6 NYCRR Part 231-2 or 40 CFR 52.21.

The changes can take place when the Departmental notification has been made. The notification shall include the following documentation:

-Identification of the emission source(s) affected by the change.

-Documentation of the DAR-1

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analysis

-A copy of the MSDS sheet(s) for the new flux(es)

-Certification stating the changes are not part of a Source project requiring review for applicability to NSR/PSD requirements.

-Calculations showing the annual emission rate potential for all contaminants affected by the change.

-Any other relevant information used for evaluation of the change.

The Department shall respond within 15 days if further review or action is required for the changes being made.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 27: Non Applicable requirements
Effective for entire length of Permit**

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

Item 27.1:

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.

6NYCRR 212.10(f)

Reason: A VOC RACT analysis was completed for the facility. All sources either employ at least 81% voc control, or emit less than 3 lbs per hour and/or less than 15 lbs per day, except for the two new pentane reduction chambers. Each emits only 1.8 lbs of VOC per hour, but they emit greater than 15 lbs per day. Using the ERP of 1.8 lbs/hour for 8760 hrs/year for each Pentane Reduction Chamber, the analysis showed emission controls would cost approximately \$15,000.00 per ton of VOCs reduced. This far exceeds the \$3000.00 per ton limit for economic feasibility. Therefore, no control due to economic feasibility was accepted for the pentane reduction chambers.

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6NYCRR 212.11(b)

Emission Unit: GMLAST Process: HVC Source: HVC06

Reason: THE CONTROL DEVICE IS A CATALYTIC
OXIDIZER AND NOT AN INCINERATOR PER THE
PART 200.1 DEFINITIONS. OTHER
REQUIREMENTS IN THE PERMIT ENSURE
COMPLIANCE WITH VOC EMISSION LIMITS AND
VOC RACT.

6NYCRR 212.11(b)

Emission Unit: GMLAST Process: CL4 Source: CL401

Reason: THE CONTROL DEVICE IS A CATALYTIC
OXIDIZER AND NOT AN INCINERATOR PER THE
PART 200.1 DEFINITIONS. OTHER
REQUIREMENTS IN THE PERMIT ENSURE
COMPLIANCE WITH VOC EMISSION LIMITS AND
VOC RACT.

6NYCRR 212.11(b)

Emission Unit: GMLAST Process: CL5 Source: CL501

Reason: THE CONTROL DEVICE IS A CATALYTIC
OXIDIZER AND NOT AN INCINERATOR PER THE
PART 200.1 DEFINITIONS. OTHER
REQUIREMENTS IN THE PERMIT ENSURE
COMPLIANCE WITH VOC EMISSION LIMITS AND
VOC RACT.

6NYCRR 212.11(b)

Emission Unit: GMLAST Process: HVC Source: HVC07

Reason: THE CONTROL DEVICE IS A CATALYTIC
OXIDIZER AND NOT AN INCINERATOR PER THE
PART 200.1 DEFINITIONS. OTHER
REQUIREMENTS IN THE PERMIT ENSURE
COMPLIANCE WITH VOC EMISSION LIMITS AND
VOC RACT.

6NYCRR 212.11(b)

Emission Unit: GMLAST Process: CL1 Source: CL101

Reason: THE CONTROL DEVICE IS A CATALYTIC
OXIDIZER AND NOT AN INCINERATOR PER THE
PART 200.1 DEFINITIONS. OTHER
REQUIREMENTS IN THE PERMIT ENSURE
COMPLIANCE WITH VOC EMISSION LIMITS AND
VOC RACT.

6NYCRR 212.11(b)



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Emission Unit: GMCAST Process: CL2 Source: CL201
Reason: THE CONTROL DEVICE IS A CATALYTIC
OXIDIZER AND NOT AN INCINERATOR PER THE
PART 200.1 DEFINITIONS. OTHER
REQUIREMENTS IN THE PERMIT ENSURE
COMPLIANCE WITH VOC EMISSION LIMITS AND
VOC RACT.

6NYCRR 212.11(b)

Emission Unit: GMCAST Process: CL3 Source: CL301
Reason: THE CONTROL DEVICE IS A CATALYTIC
OXIDIZER AND NOT AN INCINERATOR PER THE
PART 200.1 DEFINITIONS. OTHER
REQUIREMENTS IN THE PERMIT ENSURE
COMPLIANCE WITH VOC EMISSION LIMITS AND
VOC RACT.

6NYCRR 226

Reason: The facility utilizes exempt, aqueous based solvent
solutions in their parts washers. Therefore, the
regulation does not apply.

**Condition 28: Facility Permissible Emissions
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 28.1:

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

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

CAS No: 0NY210-00-0 PTE: 199,800 pounds per year
Name: OXIDES OF NITROGEN

**Condition 29: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 29.1:

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:

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6NYCRR 201-6

Item 29.2:

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

Item 29.3:

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 29.4:

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 29.5:

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 29.6:

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

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC05

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC07

Emission Unit: G-MCAST
Process: MAC Emission Source: MAC01

Emission Unit: G-MCAST
Process: MAC Emission Source: MAC02

Emission Unit: G-MCAST
Process: MAC Emission Source: MAC03

Emission Unit: G-MMELT
Process: ME2 Emission Source: ME202

Emission Unit: G-MMELT

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Process: ME2 Emission Source: ME203

Emission Unit: G-MMOLD

Process: BE1 Emission Source: BE101

Emission Unit: G-MMOLD

Process: BE1 Emission Source: BE105

Emission Unit: G-MMOLD

Process: BE1 Emission Source: BE106

Emission Unit: G-MMOLD

Process: BE1 Emission Source: BE110

Emission Unit: G-MMOLD

Process: HLM Emission Source: HLM21

Emission Unit: G-MMOLD

Process: HLM Emission Source: HLM22

Emission Unit: G-MMOLD

Process: HLM Emission Source: HLM23

Emission Unit: G-MMOLD

Process: HLM Emission Source: HLM24

Emission Unit: G-MMOLD

Process: HLM Emission Source: HLM27

Emission Unit: G-MMOLD

Process: HLM Emission Source: HLM28

Emission Unit: G-MMOLD

Process: HLM Emission Source: HLM29

Emission Unit: G-MMOLD

Process: HLM Emission Source: HLM30

Emission Unit: 1-GMFAC

Process: HTG Emission Source: HTG02

Emission Unit: 1-GMFAC

Process: PWR Emission Source: PWR01

Emission Unit: 1-GMFAC

Process: RDW Emission Source: ROADS



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Emission Unit: 1-GMFAC
Process: SND Emission Source: SND01

Emission Unit: 1-GMFAC
Process: SND Emission Source: SND02

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC01

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC02

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC03

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC04

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

Item 29.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE COMBINED EMISSIONS OF PARTICULATE MATTER (PM) FROM THE FOLLOWING SOURCES CONSTRUCTED BEFORE DECEMBER 31, 1992 SHALL BE LIMITED TO 99.9 TONS PER YEAR; ME202, ME203, ME501, BE101, BE105, BE106, BE110, HLM21, HLM22, HLM23, HLM24, HLM27, HLM28, HLM29, HLM30, HVC01, HVC02, HVC03, HVC04, HVC05, HVC07, MAC01, MAC02, MAC03, SND01, SND02, HTG02, PWR01, and ROADS.

The 12 month rolling total emissions of PM shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for 5 years. The calculation methodology is considered part of the permit as it is incorporated by reference. Emissions of PM shall be reported semi-annually.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY



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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 30: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 30.1:

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:

40CFR 52-A.21

Item 30.2:

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

Item 30.3:

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 30.4:

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 30.5:

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 30.6:

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

Emission Unit: G-MCAST
Process: CL1 Emission Source: CL101

Emission Unit: G-MCAST
Process: CL1 Emission Source: CL102



Emission Unit: G-MCAST
Process: CL1 Emission Source: CL104

Emission Unit: G-MCAST
Process: CL2 Emission Source: CL201

Emission Unit: G-MCAST
Process: CL2 Emission Source: CL202

Emission Unit: G-MCAST
Process: CL2 Emission Source: CL204

Emission Unit: G-MCAST
Process: CL3 Emission Source: CL301

Emission Unit: G-MCAST
Process: CL3 Emission Source: CL302

Emission Unit: G-MCAST
Process: CL3 Emission Source: CL304

Emission Unit: G-MCAST
Process: CL4 Emission Source: CL401

Emission Unit: G-MCAST
Process: CL4 Emission Source: CL402

Emission Unit: G-MCAST
Process: CL4 Emission Source: CL404

Emission Unit: G-MCAST
Process: CL5 Emission Source: CL501

Emission Unit: G-MCAST
Process: CL5 Emission Source: CL502

Emission Unit: G-MCAST
Process: CL5 Emission Source: CL504

Emission Unit: G-MCAST
Process: MAC Emission Source: MAC04

Emission Unit: G-MCAST
Process: MAC Emission Source: MAC05

Emission Unit: G-MCAST



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Process: MAC Emission Source: MAC06

Emission Unit: G-MCAST

Process: MAC Emission Source: MAC07

Emission Unit: G-MCAST

Process: MAC Emission Source: MAC08

Emission Unit: G-MMELT

Process: ME2 Emission Source: ME204

Emission Unit: G-MMELT

Process: ME2 Emission Source: ME205

Emission Unit: G-MMELT

Process: ME3 Emission Source: ME301

Emission Unit: G-MMELT

Process: ME5 Emission Source: ME503

Emission Unit: G-MMELT

Process: ME5 Emission Source: ME504

Emission Unit: G-MMOLD

Process: BE1 Emission Source: BE102

Emission Unit: G-MMOLD

Process: BE1 Emission Source: BE103

Emission Unit: G-MMOLD

Process: CLM Emission Source: CLM07

Emission Unit: G-MMOLD

Process: CLM Emission Source: CLM08

Emission Unit: G-MMOLD

Process: CLM Emission Source: CLM09

Emission Unit: G-MMOLD

Process: CLM Emission Source: CLM10

Emission Unit: G-MMOLD

Process: CLM Emission Source: CLM11

Emission Unit: G-MMOLD

Process: CLM Emission Source: CLM12



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Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM13

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM14

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM15

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM16

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM17

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM18

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM19

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM20

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM21

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM22

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM23

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM24

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM25

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM26

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM27

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM28



Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM29

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM30

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM31

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM32

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM33

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM34

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM36

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM03

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM04

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM08

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM09

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM13

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM14

Emission Unit: 1-GMFAC
Process: HTG Emission Source: HTG01

Emission Unit: 1-GMFAC
Process: PWR Emission Source: PWR02

Emission Unit: G-MCAST



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Facility DEC ID: 6405800004

Process: HVC

Emission Source: HVC06

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 30.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE COMBINED EMISSIONS OF CARBON MONOXIDE (CO) FROM THE FOLLOWING SOURCES SHALL BE LIMITED TO 99.9 TONS PER YEAR; ME204, ME205, ME301, ME503, ME504, MAC04, MAC05, MAC06, MAC07, MAC08, BE102, BE103, HLM03, HLM04, HLM08, HLM09, HLM13, HLM14, CLM07, CLM08, CLM09, CLM10, CLM11, CLM12, CLM13, CLM14, CLM15, CLM16, CLM17, CLM18, CLM19, CLM20, CLM21, CLM22, CLM23, CLM24, CLM25, CLM26, CLM27, CLM28, CLM29, CLM30, CLM31, CLM32, CLM33, CLM34, CLM36, HVC06, CL101, CL102, CL104, CL201, CL202, CL204, CL301, CL302, CL304, CL401, CL402, CL404, CL501, CL502, CL504, HTG01, and PWR02. The 12 month rolling total emissions of CO shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for 5 years. The calculation methodology is considered part of the permit as it is incorporated by reference. Emissions of CO shall be reported semi-annually.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

**Condition 31: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 31.1:



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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:

6NYCRR 212.10(b)

Item 31.2:

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

Item 31.3:

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 31.4:

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 31.5:

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 31.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 31.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility-wide emission of Oxides of Nitrogen (NO_x) shall be limited to 99.9 tons per year. The rolling 12 month total emissions of NO_x shall be calculated monthly based on NYS DEC approved calculation methodology and the records shall be maintained for 5 years. The calculation methodology is considered part of the permit as it is incorporated by reference. Facility emissions of NO_x shall

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be reported semiannually, including a report showing the actual calculations.

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 32: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 32.1:

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:

6NYCRR 231-2

Item 32.2:

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

Item 32.3:

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 32.4:

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 32.5:

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 32.6:

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



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Emission Unit: 1-GMFAC
Process: HTG Emission Source: HTG02

Emission Unit: 1-GMFAC
Process: PWR Emission Source: PWR01

Emission Unit: 1-GMFAC
Process: RDW Emission Source: ROADS

Emission Unit: 1-GMFAC
Process: SND Emission Source: SND01

Emission Unit: 1-GMFAC
Process: SND Emission Source: SND02

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC01

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC02

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC03

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC04

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC05

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC07

Emission Unit: G-MCAST
Process: MAC Emission Source: MAC01

Emission Unit: G-MCAST
Process: MAC Emission Source: MAC02

Emission Unit: G-MCAST
Process: MAC Emission Source: MAC03

Emission Unit: G-MMELT
Process: ME2 Emission Source: ME202

Emission Unit: G-MMELT
Process: ME2 Emission Source: ME203

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FOLLOWING SOURCES CONSTRUCTED BEFORE DECEMBER 31, 1992 SHALL BE LIMITED TO 49.9 TONS PER YEAR; ME202, ME203, ME501, BE101, BE105, BE106, BE110, HLM21, HLM22, HLM23, HLM24, HLM27, HLM28, HLM29, HLM30, HVC01, HVC02, HVC03, HVC04, HVC05, HVC07, MAC01, MAC02, MAC03, SND01, SND02, HTG02, PWR01, and ROADS. The 12 month rolling total emissions of VOC shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for 5 years. The calculation methodology is considered part of the permit as it is incorporated by reference. Emissions of VOC shall be reported semi-annually.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

**Condition 33: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 33.1:

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:

6NYCRR 201-6

Item 33.2:

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

Item 33.3:

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 33.4:



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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 33.5:

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 33.6:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

- Emission Unit: 1-GMFAC
Process: HTG Emission Source: HTG02

- Emission Unit: 1-GMFAC
Process: PWR Emission Source: PWR01

- Emission Unit: 1-GMFAC
Process: RDW Emission Source: ROADS

- Emission Unit: 1-GMFAC
Process: SND Emission Source: SND01

- Emission Unit: 1-GMFAC
Process: SND Emission Source: SND02

- Emission Unit: G-MCAST
Process: HVC Emission Source: HVC01

- Emission Unit: G-MCAST
Process: HVC Emission Source: HVC02

- Emission Unit: G-MCAST
Process: HVC Emission Source: HVC03

- Emission Unit: G-MCAST
Process: HVC Emission Source: HVC04

- Emission Unit: G-MCAST
Process: HVC Emission Source: HVC05

- Emission Unit: G-MCAST
Process: HVC Emission Source: HVC07



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Emission Unit: G-MCAST
Process: MAC Emission Source: MAC01

Emission Unit: G-MCAST
Process: MAC Emission Source: MAC02

Emission Unit: G-MCAST
Process: MAC Emission Source: MAC03

Emission Unit: G-MMELT
Process: ME2 Emission Source: ME202

Emission Unit: G-MMELT
Process: ME2 Emission Source: ME203

Emission Unit: G-MMOLD
Process: BE1 Emission Source: BE101

Emission Unit: G-MMOLD
Process: BE1 Emission Source: BE105

Emission Unit: G-MMOLD
Process: BE1 Emission Source: BE106

Emission Unit: G-MMOLD
Process: BE1 Emission Source: BE110

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM21

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM22

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM23

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM24

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM27

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM28

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM29

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Emission Unit: G-MMOLD

Process: HLM

Emission Source: HLM30

Regulated Contaminant(s):

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

Item 33.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE COMBINED EMISSIONS OF PM-10 FROM THE FOLLOWING SOURCES CONSTRUCTED BEFORE DECEMBER 31, 1992 SHALL BE LIMITED TO 99.9 TONS PER YEAR; ME202, ME203, ME501, BE101, BE105, BE106, BE110, HLM21, HLM22, HLM23, HLM24, HLM27, HLM28, HLM29, HLM30, HVC01, HVC02, HVC03, HVC04, HVC05, HVC07, MAC01, MAC02, MAC03, SND01, SND02, HTG02, PWR01, and ROADS. The 12 month rolling total emissions of PM-10 shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for 5 years. The calculation methodology is considered part of the permit as it is incorporated by reference. Emissions of PM-10 shall be reported semi-annually.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

Condition 34: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 34.1:

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:

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6NYCRR 231-2

Item 34.2:

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

Item 34.3:

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 34.4:

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 34.5:

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 34.6:

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

Emission Unit: 1-GMFAC
Process: HTG Emission Source: HTG01

Emission Unit: 1-GMFAC
Process: PWR Emission Source: PWR02

Emission Unit: G-MCAST
Process: CL1 Emission Source: CL101

Emission Unit: G-MCAST
Process: CL1 Emission Source: CL102

Emission Unit: G-MCAST
Process: CL1 Emission Source: CL104

Emission Unit: G-MCAST
Process: CL2 Emission Source: CL201

Emission Unit: G-MCAST

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Process: CL2 Emission Source: CL202

Emission Unit: G-MCAST

Process: CL2 Emission Source: CL204

Emission Unit: G-MCAST

Process: CL3 Emission Source: CL301

Emission Unit: G-MCAST

Process: CL3 Emission Source: CL302

Emission Unit: G-MCAST

Process: CL3 Emission Source: CL304

Emission Unit: G-MCAST

Process: CL4 Emission Source: CL401

Emission Unit: G-MCAST

Process: CL4 Emission Source: CL402

Emission Unit: G-MCAST

Process: CL4 Emission Source: CL404

Emission Unit: G-MCAST

Process: CL5 Emission Source: CL501

Emission Unit: G-MCAST

Process: CL5 Emission Source: CL502

Emission Unit: G-MCAST

Process: CL5 Emission Source: CL504

Emission Unit: G-MCAST

Process: MAC Emission Source: MAC04

Emission Unit: G-MCAST

Process: MAC Emission Source: MAC05

Emission Unit: G-MCAST

Process: MAC Emission Source: MAC06

Emission Unit: G-MCAST

Process: MAC Emission Source: MAC07

Emission Unit: G-MCAST

Process: MAC Emission Source: MAC08

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Emission Unit: G-MMELT
Process: ME2 Emission Source: ME204

Emission Unit: G-MMELT
Process: ME2 Emission Source: ME205

Emission Unit: G-MMELT
Process: ME3 Emission Source: ME301

Emission Unit: G-MMELT
Process: ME5 Emission Source: ME503

Emission Unit: G-MMELT
Process: ME5 Emission Source: ME504

Emission Unit: G-MMOLD
Process: BE1 Emission Source: BE102

Emission Unit: G-MMOLD
Process: BE1 Emission Source: BE103

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM07

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM08

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM09

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM10

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM11

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM12

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM13

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM14

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM15



Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM16

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM17

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM18

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM19

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM20

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM21

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM22

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM23

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM24

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM25

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM26

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM27

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM28

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM29

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM30

Emission Unit: G-MMOLD



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Process: CLM Emission Source: CLM31

Emission Unit: G-MMOLD

Process: CLM Emission Source: CLM32

Emission Unit: G-MMOLD

Process: CLM Emission Source: CLM33

Emission Unit: G-MMOLD

Process: CLM Emission Source: CLM34

Emission Unit: G-MMOLD

Process: CLM Emission Source: CLM36

Emission Unit: G-MMOLD

Process: HLM Emission Source: HLM03

Emission Unit: G-MMOLD

Process: HLM Emission Source: HLM04

Emission Unit: G-MMOLD

Process: HLM Emission Source: HLM08

Emission Unit: G-MMOLD

Process: HLM Emission Source: HLM09

Emission Unit: G-MMOLD

Process: HLM Emission Source: HLM13

Emission Unit: G-MMOLD

Process: HLM Emission Source: HLM14

Emission Unit: G-MCAST

Process: HVC Emission Source: HVC06

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 34.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE COMBINED EMISSIONS OF VOC FROM THE
FOLLOWING SOURCES SHALL BE LIMITED TO
49.9 TONS PER YEAR; ME204, ME205, ME301,



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ME503, ME504, BE102, BE103, HLM03, HLM04, HLM08, HLM09, HLM13, HLM14, MAC04, MAC05, MAC06, MAC07, MAC08, CLM07, CLM08, CLM09, CLM10, CLM11, CLM12, CLM13, CLM14, CLM15, CLM16, CLM17, CLM18, CLM19, CLM20, CLM21, CLM22, CLM23, CLM24, CLM25, CLM26, CLM27, CLM28, CLM29, CLM30, CLM31, CLM32, CLM33, CLM34, CLM36, HVC06, CL101, CL102, CL104, CL201, CL202, CL204, CL301, CL302, CL304, CL401, CL402, CL404, CL501, CL502, CL504, HTG01, and PWR02. The 12 month rolling total emissions of VOC shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for 5 years. The calculation methodology is considered part of the permit as it is incorporated by reference. Emissions of VOC shall be reported semi-annually.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

**Condition 35: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 35.1:

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:

6NYCRR 201-6

Item 35.2:

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

Item 35.3:

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

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control requirements, regulations or law.

Item 35.4:

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 35.5:

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 35.6:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

- Emission Unit: 1-GMFAC
Process: HTG Emission Source: HTG02

- Emission Unit: 1-GMFAC
Process: PWR Emission Source: PWR01

- Emission Unit: 1-GMFAC
Process: RDW Emission Source: ROADS

- Emission Unit: 1-GMFAC
Process: SND Emission Source: SND02

- Emission Unit: G-MCAST
Process: HVC Emission Source: HVC01

- Emission Unit: G-MCAST
Process: HVC Emission Source: HVC02

- Emission Unit: G-MCAST
Process: HVC Emission Source: HVC03

- Emission Unit: G-MCAST
Process: HVC Emission Source: HVC04

- Emission Unit: G-MCAST
Process: HVC Emission Source: HVC05

- Emission Unit: G-MCAST
Process: HVC Emission Source: HVC07



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Emission Unit: G-MCAST
Process: MAC Emission Source: MAC01

Emission Unit: G-MCAST
Process: MAC Emission Source: MAC02

Emission Unit: G-MCAST
Process: MAC Emission Source: MAC03

Emission Unit: G-MMELT
Process: ME2 Emission Source: ME202

Emission Unit: G-MMELT
Process: ME2 Emission Source: ME203

Emission Unit: G-MMOLD
Process: BE1 Emission Source: BE101

Emission Unit: G-MMOLD
Process: BE1 Emission Source: BE105

Emission Unit: G-MMOLD
Process: BE1 Emission Source: BE106

Emission Unit: G-MMOLD
Process: BE1 Emission Source: BE110

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM21

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM22

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM23

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM24

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM27

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM28

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM29



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Emission Unit: G-MMOLD

Process: HLM

Emission Source: HLM30

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 35.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE COMBINED EMISSIONS OF CARBON MONOXIDE (CO) FROM THE FOLLOWING SOURCES CONSTRUCTED BEFORE DECEMBER 31, 1992, SHALL BE LIMITED TO 99.9 TONS PER YEAR; ME202, ME203, ME501, MAC02, MAC03, BE101, BE105, BE106, BE110, HLM21, HLM22, HLM23, HLM24, HLM27, HLM28, HLM29, HLM30, HVC01, HVC02, HVC03, HVC04, HVC05, HVC07, MAC01, SND01, SND02, HTG02, PWR01, and ROADS.

The 12 month rolling total emissions of CO shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for 5 years. The calculation methodology is considered part of the permit as it is incorporated by reference. Emissions of CO shall be reported semi-annually.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

**Condition 36: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 36.1:

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:

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40CFR 52-A.21

Item 36.2:

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

Item 36.3:

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 36.4:

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 36.5:

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 36.6:

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

Emission Unit: 1-GMFAC
Process: HTG Emission Source: HTG01

Emission Unit: 1-GMFAC
Process: PWR Emission Source: PWR02

Emission Unit: G-MCAST
Process: CL1 Emission Source: CL101

Emission Unit: G-MCAST
Process: CL1 Emission Source: CL102

Emission Unit: G-MCAST
Process: CL1 Emission Source: CL104

Emission Unit: G-MCAST
Process: CL2 Emission Source: CL201

Emission Unit: G-MCAST



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Process: CL2 Emission Source: CL202

Emission Unit: G-MCAST
Process: CL2 Emission Source: CL204

Emission Unit: G-MCAST
Process: CL3 Emission Source: CL301

Emission Unit: G-MCAST
Process: CL3 Emission Source: CL302

Emission Unit: G-MCAST
Process: CL3 Emission Source: CL304

Emission Unit: G-MCAST
Process: CL4 Emission Source: CL401

Emission Unit: G-MCAST
Process: CL4 Emission Source: CL402

Emission Unit: G-MCAST
Process: CL4 Emission Source: CL404

Emission Unit: G-MCAST
Process: CL5 Emission Source: CL501

Emission Unit: G-MCAST
Process: CL5 Emission Source: CL502

Emission Unit: G-MCAST
Process: CL5 Emission Source: CL504

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC06

Emission Unit: G-MCAST
Process: MAC Emission Source: MAC04

Emission Unit: G-MCAST
Process: MAC Emission Source: MAC05

Emission Unit: G-MCAST
Process: MAC Emission Source: MAC06

Emission Unit: G-MCAST
Process: MAC Emission Source: MAC07



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Emission Unit: G-MCAST
Process: MAC Emission Source: MAC08

Emission Unit: G-MMELT
Process: ME2 Emission Source: ME204

Emission Unit: G-MMELT
Process: ME2 Emission Source: ME205

Emission Unit: G-MMELT
Process: ME3 Emission Source: ME301

Emission Unit: G-MMELT
Process: ME5 Emission Source: ME503

Emission Unit: G-MMELT
Process: ME5 Emission Source: ME504

Emission Unit: G-MMOLD
Process: BE1 Emission Source: BE102

Emission Unit: G-MMOLD
Process: BE1 Emission Source: BE103

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM07

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM08

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM09

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM10

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM11

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM12

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM13

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM14



Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM15

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM16

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM17

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM18

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM19

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM20

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM21

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM22

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM23

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM24

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM25

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM26

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM27

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM28

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM29

Emission Unit: G-MMOLD



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Process: CLM Emission Source: CLM30

Emission Unit: G-MMOLD

Process: CLM Emission Source: CLM31

Emission Unit: G-MMOLD

Process: CLM Emission Source: CLM32

Emission Unit: G-MMOLD

Process: CLM Emission Source: CLM33

Emission Unit: G-MMOLD

Process: CLM Emission Source: CLM34

Emission Unit: G-MMOLD

Process: CLM Emission Source: CLM36

Emission Unit: G-MMOLD

Process: HLM Emission Source: HLM03

Emission Unit: G-MMOLD

Process: HLM Emission Source: HLM04

Emission Unit: G-MMOLD

Process: HLM Emission Source: HLM08

Emission Unit: G-MMOLD

Process: HLM Emission Source: HLM09

Emission Unit: G-MMOLD

Process: HLM Emission Source: HLM13

Emission Unit: G-MMOLD

Process: HLM Emission Source: HLM14

Regulated Contaminant(s):

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

Item 36.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE COMBINED EMISSIONS OF PM-10 FROM THE FOLLOWING SOURCES SHALL BE LIMITED TO 99.9 TONS PER YEAR; ME204, ME205, ME301,



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ME503, ME504, MAC04, MAC05, MAC06, MAC07, MAC08, BE102, BE103, HLM03, HLM04, HLM08, HLM09, HLM13, HLM14, CLM07, CLM08, CLM09, CLM10, CLM11, CLM12, CLM13, CLM14, CLM15, CLM16, CLM17, CLM18, CLM19, CLM20, CLM21, CLM22, CLM23, CLM24, CLM25, CLM26, CLM27, CLM28, CLM29, CLM30, CLM31, CLM32, CLM33, CLM34, CLM36, HVC06, CL101, CL102, CL104, CL201, CL202, CL204, CL301, CL302, CL304, CL401, CL402, CL404, CL501, CL502, CL504, HTG01, and PWR02. The 12 month rolling total emissions of PM-10 shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for 5 years. The calculation methodology is considered part of the permit as it is incorporated by reference. Emissions of PM-10 shall be reported semi-annually.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

**Condition 37: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 37.1:

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:

40CFR 52-A.21

Item 37.2:

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

Item 37.3:

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

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control requirements, regulations or law.

Item 37.4:

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 37.5:

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 37.6:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-GMFAC
Process: HTG Emission Source: HTG01

Emission Unit: 1-GMFAC
Process: PWR Emission Source: PWR02

Emission Unit: G-MCAST
Process: CL1 Emission Source: CL101

Emission Unit: G-MCAST
Process: CL1 Emission Source: CL102

Emission Unit: G-MCAST
Process: CL1 Emission Source: CL104

Emission Unit: G-MCAST
Process: CL2 Emission Source: CL201

Emission Unit: G-MCAST
Process: CL2 Emission Source: CL202

Emission Unit: G-MCAST
Process: CL2 Emission Source: CL204

Emission Unit: G-MCAST
Process: CL3 Emission Source: CL301

Emission Unit: G-MCAST
Process: CL3 Emission Source: CL302



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Emission Unit: G-MCAST
Process: CL3 Emission Source: CL304

Emission Unit: G-MCAST
Process: CL4 Emission Source: CL401

Emission Unit: G-MCAST
Process: CL4 Emission Source: CL402

Emission Unit: G-MCAST
Process: CL4 Emission Source: CL404

Emission Unit: G-MCAST
Process: CL5 Emission Source: CL501

Emission Unit: G-MCAST
Process: CL5 Emission Source: CL502

Emission Unit: G-MCAST
Process: CL5 Emission Source: CL504

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC06

Emission Unit: G-MCAST
Process: MAC Emission Source: MAC04

Emission Unit: G-MCAST
Process: MAC Emission Source: MAC05

Emission Unit: G-MCAST
Process: MAC Emission Source: MAC06

Emission Unit: G-MCAST
Process: MAC Emission Source: MAC07

Emission Unit: G-MCAST
Process: MAC Emission Source: MAC08

Emission Unit: G-MMELT
Process: ME2 Emission Source: ME204

Emission Unit: G-MMELT
Process: ME2 Emission Source: ME205

Emission Unit: G-MMELT
Process: ME3 Emission Source: ME301



Emission Unit: G-MMELT
Process: ME5 Emission Source: ME503

Emission Unit: G-MMELT
Process: ME5 Emission Source: ME504

Emission Unit: G-MMOLD
Process: BE1 Emission Source: BE102

Emission Unit: G-MMOLD
Process: BE1 Emission Source: BE103

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM07

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM08

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM09

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM10

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM11

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM12

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM13

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM14

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM15

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM16

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM17

Emission Unit: G-MMOLD

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Process: CLM Emission Source: CLM18

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM19

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM20

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM21

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM22

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM23

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM24

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM25

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM26

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM27

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM28

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM29

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM30

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM31

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM32

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM33



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Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM34

Emission Unit: G-MMOLD
Process: CLM Emission Source: CLM36

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM03

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM04

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM08

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM09

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM13

Emission Unit: G-MMOLD
Process: HLM Emission Source: HLM14

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

Item 37.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE COMBINED EMISSIONS OF PARTICULATE MATTER (PM) FROM THE FOLLOWING SOURCES SHALL BE LIMITED TO 99.9 TONS PER YEAR; ME204, ME205, ME301, ME503, ME504, MAC04, MAC05, MAC06, MAC07, MAC08, BE102, BE103, HLM03, HLM04, HLM08, HLM09, HLM13, HLM14, CLM07, CLM08, CLM09, CLM10, CLM11, CLM12, CLM13, CLM14, CLM15, CLM16, CLM17, CLM18, CLM19, CLM20, CLM21, CLM22, CLM23, CLM24, CLM25, CLM26, CLM27, CLM28, CLM29, CLM30, CLM31, CLM32, CLM33, CLM34, CLM36, HVC06, CL101, CL102, CL104, CL201, CL202, CL204, CL301, CL302, CL304, CL401, CL402, CL404, CL501, CL502, CL504, HTG01, and



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PWR02. The 12 month rolling total emissions of PM shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for 5 years. The calculation methodology is considered part of the permit as it is incorporated by reference. Emissions of PM shall be reported semi-annually.

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 38: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 212.4(a)

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: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

An assay shall be conducted once per calendar year on a representative catalyst module from each catalytic oxidizer to confirm proper catalyst activity. The results shall be reported within 60 days. Oxidizers that have test results below 65% of "fresh" catalyst activity shall be shutdown and replaced. A report shall be generated within 60 days when the results are less than 65% with the following information; the test results, which oxidizers were effected, and the cause of the catalyst activity degradation.

Parameter Monitored: CATALYST ACTIVITY
Lower Permit Limit: 65 percent of fresh catalyst
Monitoring Frequency: ANNUALLY



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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

Condition 39: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 39.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: G-MCAST

Process: CL1 Emission Source: CL101

Emission Unit: G-MCAST

Process: CL2 Emission Source: CL201

Emission Unit: G-MCAST

Process: CL3 Emission Source: CL301

Emission Unit: G-MCAST

Process: CL4 Emission Source: CL401

Emission Unit: G-MCAST

Process: CL5 Emission Source: CL501

Emission Unit: G-MCAST

Process: HVC Emission Source: HVC06

Emission Unit: G-MCAST

Process: HVC Emission Source: HVC07

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 39.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

A temperature monitoring device shall be used to
continuously measure and record the temperature of the

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catalyst bed on the oxidizer while the cast line is operating (i.e. setting clusters, casting parts, and dumping boxes). The temperature monitoring device shall be electronically "interlocked" with operation of the cast line such that if the monitored parameter is outside the range specified below, then the emission generating activities shall cease (i.e. the cast line shall not index around its circuit, metal shall not be poured, new clusters shall not be set, and cast boxes shall not be dumped) until the oxidizer temperature, as measured by the temperature monitor, returns to within the range specified below. The temperature monitor and oxidizer shall be maintained in accordance with GM's Preventative Maintenance Inspections to ensure proper operation of the thermal catalytic oxidizer. The control logic "interlocking" the temperature monitor to cast line operation shall be checked quarterly to ensure the logic is still active and the proper ranges are programmed. The temperature monitor and cast line shall not be "interlocked" during periods of start up or shutdown. The temperature monitor shall not be required to be "interlocked" to the cast line's sand cooler/classifier system since emissions from the sand cooler/classifier system are captured and vented to a separate control device. A stack test of this or a similar source shall be conducted once during the term of the permit to demonstrate compliance with the control requirement of 91% specified in 6 NYCRR 212.9(b) and to check the correlation between the control efficiency and operating temperature.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 550 degrees Fahrenheit

Upper Permit Limit: 800 degrees Fahrenheit

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

Condition 40: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 40.1:



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The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: G-MMELT

Process: ME5

Emission Source: ME503

Emission Unit: G-MMELT

Process: ME5

Emission Source: ME504

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 40.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

A pressure monitoring device shall be used to continuously measure the pressure drop across the fabric filter unit while the SNIF is operating (i.e. hood closed over ladle with inert gas being injected into the molten metal and being dispersed by a rotating shaft). The pressure monitoring device shall be electronically "interlocked" with operation of the SNIF unit such that if the monitored parameter is outside the range specified below, then the emission generating activities shall cease until the pressure drop across the fabric filter unit, as measured by the pressure monitor, returns to within the range specified below. The pressure monitor and fabric filter unit shall be maintained in accordance with the plant's maintenance and inspection system to ensure proper operation of the filter fabric unit. The control logic "interlocking" the pressure monitor to SNIF unit operation shall be checked quarterly to ensure the logic is still active and the proper ranges are programmed. A stack test of this or a similar source shall be conducted once during the term of the permit to demonstrate compliance with the limit of 0.05 gr/dscf and to correlate pressure drop across the fabric filter unit and the emission rate.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 0.3 inches of water

Upper Permit Limit: 8 inches of water

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED



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RANGE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

Condition 41: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 41.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: G-MCAST
Process: CL1 Emission Source: CL101

Emission Unit: G-MCAST
Process: CL1 Emission Source: CL102

Emission Unit: G-MCAST
Process: CL2 Emission Source: CL201

Emission Unit: G-MCAST
Process: CL2 Emission Source: CL202

Emission Unit: G-MCAST
Process: CL3 Emission Source: CL301

Emission Unit: G-MCAST
Process: CL3 Emission Source: CL302

Emission Unit: G-MCAST
Process: CL4 Emission Source: CL401

Emission Unit: G-MCAST
Process: CL4 Emission Source: CL402

Emission Unit: G-MCAST
Process: CL5 Emission Source: CL501

Emission Unit: G-MCAST
Process: CL5 Emission Source: CL502

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC05



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Emission Unit: G-MCAST
Process: HVC Emission Source: HVC06

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC07

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC10

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

Item 41.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

A pressure monitoring device shall be used to continuously measure the pressure drop across the baghouse while the cast line is operating (i.e. setting clusters, casting parts, and dumping boxes). The pressure monitoring device shall be electronically "interlocked" with operation of the cast line such that if the monitored parameter is outside the range specified below, then the emission generating activities shall cease (i.e. the cast line shall not index around its circuit, metal shall not be poured, new clusters shall not be set, and cast boxes shall not be dumped) until the pressure drop across the baghouse, as measured by the pressure monitor, returns to within the range specified below. The pressure monitor and baghouse shall be maintained in accordance with GM's Preventative Maintenance Inspections to ensure proper operation of the baghouse. The control logic "interlocking" the pressure monitor to cast line operation shall be checked quarterly to ensure the logic is still active and the proper ranges are programmed. A stack test of this or a similar source shall be conducted once during the term of the permit to demonstrate compliance with the limit of 0.05 gr/dscf and to correlate pressure drop across the baghouse and the emission rate.

Parameter Monitored: PRESSURE CHANGE
Lower Permit Limit: 0.3 inches of water
Upper Permit Limit: 8 inches of water
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION



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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

Condition 42: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 42.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC01

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC02

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC03

Emission Unit: 1-GMFAC
Process: HTG

Emission Unit: G-MMELT
Process: ME2

Emission Unit: G-MMELT
Process: ME3

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

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

A stack test of this or a similar source shall be conducted once during the term of the permit to demonstrate compliance with the emission limit of 0.05 gr/dscf specified in 6 NYCRR 212.4(c). The emission source shall be operated according to manufacturer's specifications and GM approved work practices in order to



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minimize emissions.

Upper Permit Limit: 0.05 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

Condition 43: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 43.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: G-MCAST

Process: CL1 Emission Source: CL101

Emission Unit: G-MCAST

Process: CL1 Emission Source: CL102

Emission Unit: G-MCAST

Process: CL2 Emission Source: CL201

Emission Unit: G-MCAST

Process: CL2 Emission Source: CL202

Emission Unit: G-MCAST

Process: CL3 Emission Source: CL301

Emission Unit: G-MCAST

Process: CL3 Emission Source: CL302

Emission Unit: G-MCAST

Process: CL4 Emission Source: CL401

Emission Unit: G-MCAST

Process: CL4 Emission Source: CL402

Emission Unit: G-MCAST

Process: CL5 Emission Source: CL501



Emission Unit: G-MCAST
Process: CL5 Emission Source: CL502

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC01

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC02

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC03

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC05

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC06

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC07

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC10

Emission Unit: G-MMELT
Process: ME5 Emission Source: ME503

Emission Unit: G-MMELT
Process: ME5 Emission Source: ME504

Emission Unit: 1-GMFAC
Process: HTG

Emission Unit: G-MMELT
Process: ME3

Emission Unit: G-MMELT
Process: ME2

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20



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percent or greater from any process emission source, except only the emissions of uncombined water. A method 9 visible emissions test shall be conducted to demonstrate compliance at least once during the term of the permit. The department reserves the right to perform or request the performance of a Method 9 opacity evaluation at any time during facility operation.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

Condition 44: Sampling and Monitoring
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 212.11(a)

Item 44.1:

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

Condition 45: Compliance Certification
Effective for entire length of Permit

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

Item 45.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

NO PERSON WILL SELL, OFFER FOR SALE, PURCHASE OR USE ANY DISTILLATE OIL FUEL



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WHICH CONTAINS SULFUR IN A QUANTITY EXCEEDING 1.5% BY WEIGHT (6NYCRR 225-1.2(A)(2)). GM SHALL REVIEW AND RETAIN SUPPLIER CERTIFICATION FOR EACH DELIVERY OF DISTILLATE FUEL OIL. SUCH CERTIFICATIONS SHALL CONTAIN AS A MINIMUM: SUPPLIER NAME, DATE OF SHIPMENT, QUANTITY SHIPPED, HEATING VALUE OF THE OIL, OIL SULFUR CONTENT, AND METHOD OF DETERMINATION. SUCH CERTIFICATIONS SHALL BE AVAILABLE FOR INSPECTION BY, OR SUBMITTAL TO, NYSDEC UPON REQUEST.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 1.5 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 46: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 64

Item 46.1:

The Compliance Certification activity will be performed for the Facility.

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This facility is subject to the Compliance Assurance Monitoring Rule (CAM Rule). The owner or operator of this facility submitted a plan to the Department showing how they will comply with this rule, which was approved. The plan has been incorporated into the monitoring conditions of the permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

**Condition 47: Emission Point Definition By Emission Unit
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-6

Item 47.1:

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

Emission Unit: 1-GMFAC

Emission Point: 00090

Height (ft.): 49	Length (in.): 36	Width (in.): 36
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01

Emission Point: 00113

Height (ft.): 55	Length (in.): 36	Width (in.): 44
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01

Emission Point: 00131

Height (ft.): 67	Diameter (in.): 26	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01

Emission Point: 00172

Height (ft.): 67	Diameter (in.): 44	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01

Item 47.2:

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

Emission Unit: G-MCAST

Emission Point: 00084

Height (ft.): 49	Diameter (in.): 42	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01

Emission Point: 00095

Height (ft.): 67	Diameter (in.): 34	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01

Emission Point: 00097

Height (ft.): 67	Diameter (in.): 20	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01

Emission Point: 00098



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Height (ft.): 67	Diameter (in.): 34	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00116		
Height (ft.): 75	Diameter (in.): 34	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00117		
Height (ft.): 75	Diameter (in.): 34	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00118		
Height (ft.): 75	Diameter (in.): 34	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00125		
Height (ft.): 67	Diameter (in.): 20	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00126		
Height (ft.): 67	Diameter (in.): 20	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00127		
Height (ft.): 67	Diameter (in.): 20	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00133		
Height (ft.): 67	Diameter (in.): 34	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00134		
Height (ft.): 67	Diameter (in.): 20	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00169		
Height (ft.): 70	Diameter (in.): 36	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 63026		
Height (ft.): 68	Diameter (in.): 38	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 63027		
Height (ft.): 68	Diameter (in.): 38	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01



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Emission Point: 63028
Height (ft.): 68 Diameter (in.): 38
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 72003
Height (ft.): 62 Diameter (in.): 36
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Item 47.3:

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

Emission Unit: G-MMELT

Emission Point: 00028
Height (ft.): 63 Diameter (in.): 36
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00029
Height (ft.): 63 Diameter (in.): 36
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00030
Height (ft.): 63 Diameter (in.): 36
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00031
Height (ft.): 63 Diameter (in.): 36
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00079
Height (ft.): 63 Diameter (in.): 36
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00080
Height (ft.): 63 Diameter (in.): 36
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00129
Height (ft.): 26 Diameter (in.): 38
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00132
Height (ft.): 26 Diameter (in.): 38
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00153
Height (ft.): 67 Diameter (in.): 42



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NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00154		
Height (ft.): 67	Diameter (in.): 26	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00155		
Height (ft.): 67	Diameter (in.): 36	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00156		
Height (ft.): 67	Diameter (in.): 36	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00157		
Height (ft.): 67	Diameter (in.): 36	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00158		
Height (ft.): 67	Diameter (in.): 36	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00159		
Height (ft.): 67	Diameter (in.): 36	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00160		
Height (ft.): 67	Diameter (in.): 36	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00167		
Height (ft.): 67	Diameter (in.): 36	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00191		
Height (ft.): 72	Diameter (in.): 58	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00192		
Height (ft.): 72	Diameter (in.): 32	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00193		
Height (ft.): 72	Diameter (in.): 32	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01

Item 47.4:



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

Emission Unit: G-MMOLD

Emission Point: 00100			
Height (ft.): 30	Diameter (in.): 12		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00103			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00104			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00105			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00106			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00109			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00130			
Height (ft.): 30	Diameter (in.): 12		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00135			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00136			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00137			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00138			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	



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Emission Point: 00139			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00140			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00141			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00142			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00143			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00144			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00145			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00146			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00147			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00148			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00149			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00150			
Height (ft.): 67	Diameter (in.): 10		



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NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00151

Height (ft.): 67 Diameter (in.): 10
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00152

Height (ft.): 67 Diameter (in.): 10
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00170

Height (ft.): 30 Diameter (in.): 12
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00173

Height (ft.): 67 Diameter (in.): 18
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00174

Height (ft.): 67 Diameter (in.): 18
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00175

Height (ft.): 67 Diameter (in.): 10
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00176

Height (ft.): 67 Diameter (in.): 10
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00177

Height (ft.): 67 Diameter (in.): 10
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00178

Height (ft.): 67 Diameter (in.): 10
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00188

Height (ft.): 67 Diameter (in.): 10
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

**Condition 48: Process Definition By Emission Unit
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-6



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Facility DEC ID: 6405800004

Item 48.1:

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

Emission Unit: 1-GMFAC

Process: HTG

Source Classification Code: 3-04-001-12

Process Description:

THIS PROCESS CONSISTS OF FACILITY HEAT TREATING INCLUDING THE CAN-ENG HEAT TREATING OVEN #1 (EP00131) AND THE PIFCO HEAT TREATING OVEN (EP00090).

Emission Source/Control: HTG01 - Process

Emission Source/Control: HTG02 - Process

Item 48.2:

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

Emission Unit: 1-GMFAC

Process: PWR

Source Classification Code: 1-03-007-99

Process Description:

THIS PROCESS CONSISTS OF COMBUSTION DEVICES INCLUDING PROCESS BOILERS #1 AND #2 (EP00113 AND 00172).

Emission Source/Control: PWR01 - Combustion

Design Capacity: 57 million Btu per hour

Emission Source/Control: PWR02 - Combustion

Design Capacity: 57 million Btu per hour

Item 48.3:

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

Emission Unit: 1-GMFAC

Process: RDW

Source Classification Code: 3-03-008-34

Process Description:

-THIS PROCESS CONSISTS OF THE FACILITY ROADWAYS. THIS SOURCE IS AN INSIGNIFICANT ACTIVITY PER 6 NYCRR 201-6.3(d)(7).

Emission Source/Control: ROADS - Process

Item 48.4:

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

Emission Unit: 1-GMFAC



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Permit ID: 6-4058-00004/00135

Facility DEC ID: 6405800004

Process: SND

Source Classification Code: 3-04-003-50

Process Description:

THIS PROCESS CONSISTS OF THE SAND TRUCK DUMP AND MULTIPLE SAND/DEBRIS PILES. THESE SOURCES ARE INSIGNIFICANT ACTIVITIES PER 6 NYCRR 201-6.3(d)(7).

Emission Source/Control: SND01 - Process

Emission Source/Control: SND02 - Process

Item 48.5:

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

Emission Unit: G-MCAST

Process: CL1

Source Classification Code: 3-04-001-15

Process Description:

THIS PROCESS INCLUDES ALUMINUM CAST LINE #1 (EP 00116) AND ASSOCIATED ROTARY DRUM WITH 16 MMBTU/HR BURNER, CAST LINE #1 COOLER/CLASSIFIER (EP 00125), AND CAST LINE #1 CLUSTER SET MACHINE. THE CLUSTER SET MACHINE IS AN INSIGNIFICANT ACTIVITY PER 6 NYCRR 201- 6.3(d)(7).

Emission Source/Control: C1BH1 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C1BH2 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C1BH3 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C1INC - Control
Control Type: CATALYTIC AFTERBURNER

Emission Source/Control: CL101 - Process

Emission Source/Control: CL102 - Process

Emission Source/Control: CL104 - Process

Item 48.6:

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

Emission Unit: G-MCAST



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Permit ID: 6-4058-00004/00135

Facility DEC ID: 6405800004

Process: CL2

Source Classification Code: 3-04-001-15

Process Description:

THIS PROCESS INCLUDES ALUMINUM CAST LINE #2 (EP 00117) AND ASSOCIATED ROTARY DRUM WITH 16 MMBTU/HR BURNER, CAST LINE #2 COOLER/CLASSIFIER (EP 00126) AND CAST LINE #2 CLUSTER SET MACHINE. THE CLUSTER SET MACHINE IS AN INSIGNIFICANT ACTIVITY PER 6 NYCRR 201- 6.3(d)(7).

Emission Source/Control: C2BH1 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C2BH2 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C2BH3 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C2INC - Control
Control Type: CATALYTIC AFTERBURNER

Emission Source/Control: CL201 - Process

Emission Source/Control: CL202 - Process

Emission Source/Control: CL204 - Process

Item 48.7:

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

Emission Unit: G-MCAST

Process: CL3

Source Classification Code: 3-04-001-15

Process Description:

THIS PROCESS INCLUDES ALUMINUM CAST LINE #3 (EP 00118) AND ASSOCIATED ROTARY DRUM WITH 16 MMBTU/HR BURNER, CAST LINE #3 COOLER/CLASSIFIER (EP 00127), AND CAST LINE #3 CLUSTER SET MACHINE. THE CLUSTER SET MACHINE IS AN INSIGNIFICANT ACTIVITY PER 6 NYCRR 201-6.3(d)(7).

Emission Source/Control: C3BH1 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C3BH2 - Control
Control Type: FABRIC FILTER

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Emission Source/Control: C3BH3 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C3INC - Control
Control Type: CATALYTIC AFTERBURNER

Emission Source/Control: CL301 - Process

Emission Source/Control: CL302 - Process

Emission Source/Control: CL304 - Process

Item 48.8:

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

Emission Unit: G-MCAST

Process: CL4

Source Classification Code: 3-04-001-15

Process Description:

THIS PROCESS INCLUDES ALUMINUM CAST LINE #4 (EP00133) AND ASSOCIATED ROTARY DRUM WITH 16 MMBTU/HR BURNER, CAST LINE #4 COOLER/CLASSIFIER (EP00134), AND CAST LINE #4 CLUSTER SET MACHINE. THE CLUSTER SET MACHINE IS AN INSIGNIFICANT ACTIVITY PER 6 NYCRR 201- 6.3(d)(7).

Emission Source/Control: C4BH1 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C4BH2 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C4BH3 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C4INC - Control
Control Type: CATALYTIC AFTERBURNER

Emission Source/Control: CL401 - Process

Emission Source/Control: CL402 - Process

Emission Source/Control: CL404 - Process

Item 48.9:

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

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Emission Unit: G-MCAST

Process: CL5

Source Classification Code: 3-04-001-15

Process Description:

THIS PROCESS INCLUDES CAST LINE #5 (EP 00098) AND ASSOCIATED ROTARY DRUM WITH 16 MMBTU/HR BURNER, CAST LINE #5 COOLER/CLASSIFIER (EP00097), AND CAST LINE #5 CLUSTER SET MACHINE. THE CLUSTER SET MACHINE IS AN INSIGNIFICANT ACTIVITY PER 6 NYCRR 201-6.3(d)(7).

Emission Source/Control: C5BH1 - Control

Control Type: FABRIC FILTER

Emission Source/Control: C5BH2 - Control

Control Type: FABRIC FILTER

Emission Source/Control: C5BH3 - Control

Control Type: FABRIC FILTER

Emission Source/Control: C5INC - Control

Control Type: CATALYTIC AFTERBURNER

Emission Source/Control: CL501 - Process

Emission Source/Control: CL502 - Process

Emission Source/Control: CL504 - Process

Item 48.10:

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

Emission Unit: G-MCAST

Process: HVC

Source Classification Code: 3-04-001-15

Process Description:

THIS PROCESS CONSISTS OF THE HIGH VOLUME CAST (HVC) LINE AND ITS ASSOCIATED SOURCES, INCLUDING THE R-54 & R-55 POURING FURNACES (EP 63027), THE HVC LINE #1 & #2 FURNACE POURING LADLE STATIONS (EP 63026 & 63028) THE HVC LINE COOLING CONVEYOR (EP 72003) THE FLASK SAND FILLING MACHINE BOOTH (EP 00084), THE HVC LINE ROTARY DRUM SYSTEM (EP 00095), THE HVC LINE SAND COOLER/CLASSIFIER (EP 00084), AND THE HVC LINE CATALYTIC OXIDIZER #2 (EP 00169). THE COOLING

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CONVEYOR IS AN INSIGNIFICANT ACTIVITY PER 6 NYCRR 201-6.3(d)(7).

Emission Source/Control: HVBH1 - Control
Control Type: FABRIC FILTER

Emission Source/Control: HVBH2 - Control
Control Type: FABRIC FILTER

Emission Source/Control: HVBH5 - Control
Control Type: FABRIC FILTER

Emission Source/Control: HVIN2 - Control
Control Type: CATALYTIC AFTERBURNER

Emission Source/Control: HVINC - Control
Control Type: CATALYTIC AFTERBURNER

Emission Source/Control: HVC01 - Process

Emission Source/Control: HVC02 - Process

Emission Source/Control: HVC03 - Process

Emission Source/Control: HVC04 - Process

Emission Source/Control: HVC05 - Process

Emission Source/Control: HVC06 - Process

Emission Source/Control: HVC07 - Process

Emission Source/Control: HVC10 - Process

Item 48.11:

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

Emission Unit: G-MCAST

Process: MAC

Source Classification Code: 3-04-001-99

Process Description:

THIS PROCESS CONSISTS OF THE ALUMINUM MACHINING CENTERS. THESE SOURCES VENT INTERNALLY, USE CUTTING FLUID THAT LUBRICATES AND COOLS THE CUTTING MACHINES AS WELL AS SUPPRESSING PARTICULATE EMISSIONS AND ARE CONSIDERED INSIGNIFICANT ACTIVITIES PER 6 NYCRR 201-6.3(d)(7).

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THERE ARE NO REQUIREMENTS APPLICABLE TO THE ALUMINUM MACHINING CENTERS.

Emission Source/Control: MAC01 - Process

Emission Source/Control: MAC02 - Process

Emission Source/Control: MAC03 - Process

Emission Source/Control: MAC04 - Process

Emission Source/Control: MAC05 - Process

Emission Source/Control: MAC06 - Process

Emission Source/Control: MAC07 - Process

Emission Source/Control: MAC08 - Process

Item 48.12:

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

Emission Unit: G-MMELT

Process: ME2

Source Classification Code: 3-04-001-03

Process Description:

THIS PROCESS INCLUDES THE ALUMINUM REVERBERATORY FURNACES R-7, R-8, R-9 AND R-10 AND THE DRY HEARTH FURNACE (EPS 00028, 00029, AND 00079 FOR SOURCE ME202; EPS 00030, 00031, AND 00080 FOR SOURCE ME203; EPS 00155, 00156, AND 00157 FOR ME204, EPS 00158, 00159, AND 00160 FOR ME 205; AND EPS 00191, 00192 AND 00193 FOR ME206). THE PROCESS OPERATIONS INCLUDE MELTING, HOLDING, FLUXING, AND REMOVAL OF DROSS FROM THE FURNACE TO THE DROSS BINS.

Emission Source/Control: ME202 - Process

Emission Source/Control: ME203 - Process

Emission Source/Control: ME204 - Process

Emission Source/Control: ME205 - Process

Emission Source/Control: ME206 - Process



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Item 48.13:

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

Emission Unit: G-MMELT

Process: ME3

Source Classification Code: 3-04-001-01

Process Description:

THIS PROCESS INCLUDES THE ALUMINUM JET MELTER (EP00152, 00154, 00167). THE PROCESS OPERATIONS INCLUDE MELTING, HOLDING, FLUXING, AND REMOVAL OF DROSS FROM THE FURNACE TO THE DROSS BINS.

Emission Source/Control: ME301 - Process

Item 48.14:

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

Emission Unit: G-MMELT

Process: ME5

Source Classification Code: 3-04-001-07

Process Description:

THIS PROCESS INCLUDES THE SNIF UNITS 1-4 (EP 00129 FOR ME503 AND 00132 FOR ME504).

Emission Source/Control: MBH01 - Control

Control Type: FABRIC FILTER

Emission Source/Control: MBH02 - Control

Control Type: FABRIC FILTER

Emission Source/Control: ME503 - Process

Emission Source/Control: ME504 - Process

Item 48.15:

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

Emission Unit: G-MMOLD

Process: BE1

Source Classification Code: 3-04-001-32

Process Description:

THIS PROCESS CONSISTS OF THE FACILITY'S BEAD EXPANSION OPERATIONS, INCLUDING BEAD PRE-EXPANDERS #1-3, BEAD SCREENER, PENTANE REDUCTION CHAMBERS #1-3 (EP 00100,00130, 00170), & BEAD STORAGE/AGING HOPPERS. THE BEAD SCREENER AND STORAGE/AGING HOPPERS ARE INSIGNIFICANT ACTIVITIES PER 6 NYCRR 201-6.3(d)(7).

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Emission Source/Control: BE101 - Process

Emission Source/Control: BE102 - Process

Emission Source/Control: BE103 - Process

Emission Source/Control: BE105 - Process

Emission Source/Control: BE106 - Process

Emission Source/Control: BE110 - Process

Item 48.16:

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

Emission Unit: G-MMOLD

Process: CLM

Source Classification Code: 3-04-001-32

Process Description:

THIS PROCESS INCLUDES MODULE DRYING OVENS #1-#6 (EP 00151, 00152, 00173, 00174, 00175, 00177), MODULE AGING OVENS #1-16 (EP00135, 00136, 00137, 00138, 00139, 00140, 00141, 00142, 00143, 00144, 00145, 00146, 00147, 00148, 00149, 00150), MODULE MOLD MACHINES P1-P19. THERE ARE NO REQUIREMENTS APPLICABLE TO THE SOURCES IN THIS PROCESS. ALL SOURCES IN THE PROCESS ARE INSIGNIFICANT ACTIVITIES PER 6 NYCRR 201-6.3(d)(7).

Emission Source/Control: CLM07 - Process

Emission Source/Control: CLM08 - Process

Emission Source/Control: CLM09 - Process

Emission Source/Control: CLM10 - Process

Emission Source/Control: CLM11 - Process

Emission Source/Control: CLM12 - Process

Emission Source/Control: CLM13 - Process

Emission Source/Control: CLM14 - Process

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- Emission Source/Control: CLM15 - Process
- Emission Source/Control: CLM16 - Process
- Emission Source/Control: CLM17 - Process
- Emission Source/Control: CLM18 - Process
- Emission Source/Control: CLM19 - Process
- Emission Source/Control: CLM20 - Process
- Emission Source/Control: CLM21 - Process
- Emission Source/Control: CLM22 - Process
- Emission Source/Control: CLM23 - Process
- Emission Source/Control: CLM24 - Process
- Emission Source/Control: CLM25 - Process
- Emission Source/Control: CLM26 - Process
- Emission Source/Control: CLM27 - Process
- Emission Source/Control: CLM28 - Process
- Emission Source/Control: CLM29 - Process
- Emission Source/Control: CLM30 - Process
- Emission Source/Control: CLM31 - Process
- Emission Source/Control: CLM32 - Process
- Emission Source/Control: CLM33 - Process
- Emission Source/Control: CLM34 - Process
- Emission Source/Control: CLM36 - Process
- Emission Source/Control: CLM37 - Process
- Emission Source/Control: CLM38 - Process
- Emission Source/Control: CLM39 - Process

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Item 48.17:

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

Emission Unit: G-MMOLD

Process: FTC

Source Classification Code: 3-04-001-99

Process Description:

THIS PROCESS INCLUDES FOAM TIE-BAR CUTTERS #1-#7. THERE ARE NO REQUIREMENTS APPLICABLE TO THE SOURCES IN THIS PROCESS. ALL SOURCES IN THIS PROCESS ARE INSIGNIFICANT ACTIVITIES PER 6 NYCRR 201-6.3(D)(7).

Emission Source/Control: FTC01 - Process

Emission Source/Control: FTC02 - Process

Emission Source/Control: FTC03 - Process

Emission Source/Control: FTC04 - Process

Emission Source/Control: FTC05 - Process

Emission Source/Control: FTC06 - Process

Emission Source/Control: FTC07 - Process

Item 48.18:

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

Emission Unit: G-MMOLD

Process: HLM

Source Classification Code: 3-04-001-32

Process Description:

THIS PROCESS CONSISTS OF THE HIGH VOLUME CAST LINE (HVCL) MOLDING OPERATIONS, INCLUDING THE HVC LINE MOLD MACHINES #1-#12, HVC LINE AGING/DRYING OVENS #1-8 (EP00103, 00104, 00105, 00106, 00109, 00176, 00178, 00188).

Emission Source/Control: HLM03 - Process

Emission Source/Control: HLM04 - Process

Emission Source/Control: HLM08 - Process



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Emission Source/Control: HLM09 - Process

Emission Source/Control: HLM13 - Process

Emission Source/Control: HLM14 - Process

Emission Source/Control: HLM15 - Process

Emission Source/Control: HLM16 - Process

Emission Source/Control: HLM21 - Process

Emission Source/Control: HLM22 - Process

Emission Source/Control: HLM23 - Process

Emission Source/Control: HLM24 - Process

Emission Source/Control: HLM25 - Process

Emission Source/Control: HLM26 - Process

Emission Source/Control: HLM27 - Process

Emission Source/Control: HLM28 - Process

Emission Source/Control: HLM29 - Process

Emission Source/Control: HLM30 - Process

Emission Source/Control: HLM31 - Process

Emission Source/Control: HLM32 - Process

Condition 49: Compliance Certification
Effective for entire length of Permit

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

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-GMFAC

Process: PWR

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

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Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

OPACITY MUST BE LESS THAN 20% (6 MINUTE AVERAGE) EXCEPT FOR ONE 6 MINUTE PERIOD PER HOUR OF NOT MORE THAN 27%. A METHOD 9 VISIBLE EMISSIONS TEST SHALL BE CONDUCTED TO DEMONSTRATE COMPLIANCE AT LEAST ONCE DURING THE TERM OF THE PERMIT. THE DEPARTMENT RESERVES THE RIGHT TO PERFORM OR REQUIRE THE PERFORMANCE OF A METHOD 9 OPACITY EVALUATION AT ANY TIME DURING FACILITY OPERATION.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA METHOD 9

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

**Condition 50: EPA Region 2 address.
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 50.1:

This Condition applies to Emission Unit: 1-GMFAC

Process: PWR

Emission Source: PWR02

Item 50.2:

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

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

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



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

**Condition 51: Date of construction notification - If a COM is not used.
Effective for entire length of Permit**

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

Item 51.1:

This Condition applies to Emission Unit: 1-GMFAC
Process: PWR Emission Source: PWR02

Item 51.2:

Any owner or operator subject to this part shall furnish the Administrator with the following information:

- 1) a notification of the date construction or reconstruction commenced, post marked no later than 30 days after such date;
- 3) a notification of the actual date of initial start up, post marked within 15 days after such date;
- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under this part. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;
- 5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, post marked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date.

**Condition 52: Recordkeeping requirements.
Effective for entire length of Permit**

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

Item 52.1:

This Condition applies to Emission Unit: 1-GMFAC
Process: PWR Emission Source: PWR02

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Item 52.2:

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

Condition 53: Availability of information.
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.9, NSPS Subpart A

Item 53.1:

This Condition applies to Emission Unit: 1-GMFAC
Process: PWR Emission Source: PWR02

Item 53.2:

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

Condition 54: Circumvention.
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A

Item 54.1:

This Condition applies to Emission Unit: 1-GMFAC
Process: PWR Emission Source: PWR02

Item 54.2:

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

Condition 55: Modifications.
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.14, NSPS Subpart A

Item 55.1:

This Condition applies to Emission Unit: 1-GMFAC
Process: PWR Emission Source: PWR02

Item 55.2:

Within 180 days of the completion of any physical or operational change (as defined in section 60.14),



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compliance with the applicable standards must be achieved.

Condition 56: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.48c(a), NSPS Subpart Dc

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-GMFAC

Process: PWR

Emission Source: PWR02

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by 40 CFR 60.7 of this part. This notification shall include:

- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
- (2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR 60.42c., or 40 CFR 60.43c.
- (3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 57: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.48c(g), NSPS Subpart Dc

Item 57.1:



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The Compliance Certification activity will be performed for:

Emission Unit: 1-GMFAC

Process: PWR

Emission Source: PWR02

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

**Condition 58: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 58.1:

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:

6NYCRR 231-2

Item 58.2:

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

Item 58.3:

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 58.4:

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



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threshold levels that would require compliance with an applicable requirement.

Item 58.5:

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 58.6:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST
Process: CL1

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

Item 58.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined emissions of VOC from the following sources shall be limited to 6.6 tons per year: CL101, CL102, and CL104. The 12-month rolling total emissions of VOC shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for a period of 5 years. Emissions of PM shall be reported semi-annually.

Reference Test Method: EPA method 25

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

**Condition 59: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 59.1:

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:



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40CFR 52-A.21

Item 59.2:

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

Item 59.3:

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 59.4:

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 59.5:

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 59.6:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST

Process: CL1

Regulated Contaminant(s):

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

Item 59.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined emissions of PM-10 from the following sources shall be limited to 5.8 tons per year: CL101, CL102, and CL104. The 12-month rolling total emissions of PM-10 shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for a period of 5 years. Emissions of PM-10 shall be reported semi-annually.



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Reference Test Method: EPA method 201/202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 60: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 60.1:

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:

40CFR 52-A.21

Item 60.2:

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

Item 60.3:

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 60.4:

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 60.5:

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 60.6:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST
Process: CL1

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Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 60.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined emissions of particulate matter (PM) from the following sources shall be limited to 4.0 tons per year: CL101, CL102, and CL104. The 12-month rolling total emissions of PM shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for a period of 5 years. Emissions of PM shall be reported semi-annually.

Reference Test Method: EPA method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

**Condition 61: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 61.1:

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:

6NYCRR 231-2

Item 61.2:

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

Item 61.3:

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

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control requirements, regulations or law.

Item 61.4:

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 61.5:

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 61.6:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST

Process: CL2

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 61.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined emissions of VOC from the following sources shall be limited to 6.6 tons per year: CL201, CL202, and CL204. The 12-month rolling total emissions of VOC shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for a period of 5 years. Emissions of PM shall be reported semi-annually.

Reference Test Method: EPA method 25

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

**Condition 62: Capping Monitoring Condition
Effective for entire length of Permit**

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Applicable Federal Requirement: 6NYCRR 201-7.2

Item 62.1:

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:

40CFR 52-A.21

Item 62.2:

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

Item 62.3:

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 62.4:

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 62.5:

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 62.6:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST

Process: CL2

Regulated Contaminant(s):

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

Item 62.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined emissions of PM-10 from the following



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sources shall be limited to 5.8 tons per year: CL201, CL202, and CL204. The 12-month rolling total emissions of PM-10 shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for a period of 5 years. Emissions of PM-10 shall be reported semi-annually.

Reference Test Method: EPA method 201/202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

Condition 63: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 63.1:

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:

40CFR 52-A.21

Item 63.2:

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

Item 63.3:

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 63.4:

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 63.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for



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which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 63.6:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST

Process: CL2

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 63.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined emissions of particulate matter (PM) from the following sources shall be limited to 4.0 tons per year: CL201, CL202, and CL204. The 12-month rolling total emissions of PM shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for a period of 5 years. Emissions of PM shall be reported semi-annually.

Reference Test Method: EPA method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

**Condition 64: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 64.1:

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:

40CFR 52-A.21

Item 64.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits,

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terms, conditions and standards in this permit.

Item 64.3:

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 64.4:

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 64.5:

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 64.6:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST
Process: CL3

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

Item 64.7:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The combined emissions of PM-10 from the following sources shall be limited to 5.8 tons per year: CL301, CL302, and CL304. The 12-month rolling total emissions of PM-10 shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for a period of 5 years. Emissions of PM-10 shall be reported semi-annually.

Reference Test Method: EPA method 201/202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY



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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 65: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 65.1:

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:

40CFR 52-A.21

Item 65.2:

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

Item 65.3:

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 65.4:

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 65.5:

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 65.6:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST
Process: CL3

Regulated Contaminant(s):
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Item 65.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined emissions of particulate matter (PM) from the following sources shall be limited to 4.0 tons per year: CL301, CL302, and CL304. The 12-month rolling total emissions of PM shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for a period of 5 years. Emissions of PM shall be reported semi-annually.

Reference Test Method: EPA method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

**Condition 66: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 66.1:

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:

6NYCRR 231-2

Item 66.2:

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

Item 66.3:

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 66.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an



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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 66.5:

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 66.6:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST

Process: CL3

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 66.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined emissions of VOC from the following sources shall be limited to 6.6 tons per year: CL301, CL302, and CL304. The 12-month rolling total emissions of VOC shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for a period of 5 years. Emissions of PM shall be reported semi-annually.

Reference Test Method: EPA method 25

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

**Condition 67: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 67.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of



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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:

6NYCRR 231-2

Item 67.2:

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

Item 67.3:

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 67.4:

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 67.5:

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 67.6:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST

Process: CL4

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 67.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined emissions of VOC from the following sources shall be limited to 6.6 tons per year: CL401, CL402, and CL404. The 12-month rolling total emissions of VOC shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for a

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period of 5 years. Emissions of PM shall be reported semi-annually.

Reference Test Method: EPA method 25

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

**Condition 68: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 68.1:

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:

40CFR 52-A.21

Item 68.2:

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

Item 68.3:

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 68.4:

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 68.5:

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 68.6:

The Compliance Certification activity will be performed for:

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Emission Unit: G-MCAST

Process: CL4

Regulated Contaminant(s):

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

Item 68.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined emissions of PM-10 from the following sources shall be limited to 5.8 tons per year: CL401, CL402, and CL404. The 12-month rolling total emissions of PM-10 shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for a period of 5 years. Emissions of PM shall be reported semi-annually.

Reference Test Method: EPA method 201/202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

**Condition 69: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 69.1:

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:

40CFR 52-A.21

Item 69.2:

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

Item 69.3:

The owner or operator of the permitted facility must maintain all required records on-site for a period of



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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 69.4:

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 69.5:

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 69.6:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST
Process: CL4

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

Item 69.7:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The combined emissions of particulate matter (PM) from the following sources shall be limited to 4.0 tons per year: CL401, CL402, and CL404. The 12-month rolling total emissions of PM shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for a period of 5 years. Emissions of PM shall be reported semi-annually.

Reference Test Method: EPA method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).



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Facility DEC ID: 6405800004

Condition 70: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 70.1:

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:

6NYCRR 231-2

Item 70.2:

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

Item 70.3:

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 70.4:

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 70.5:

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 70.6:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST
Process: CL5

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

Item 70.7:

Compliance Certification shall include the following monitoring:

Capping: Yes



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Permit ID: 6-4058-00004/00135

Facility DEC ID: 6405800004

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined emissions of VOC from the following sources shall be limited to 6.6 tons per year: CL501, CL502, and CL504. The 12-month rolling total emissions of VOC shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for a period of 5 years. Emissions of PM shall be reported semi-annually.

Reference Test Method: EPA method 25

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

**Condition 71: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 71.1:

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:

40CFR 52-A.21

Item 71.2:

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

Item 71.3:

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 71.4:

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.

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Item 71.5:

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 71.6:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST

Process: CL5

Regulated Contaminant(s):

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

Item 71.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined emissions of PM-10 from the following sources shall be limited to 5.8 tons per year: CL501, CL502, and CL504. The 12-month rolling total emissions of PM-10 shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for a period of 5 years. Emissions of PM-10 shall be reported semi-annually.

Reference Test Method: EPA method 201/202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

**Condition 72: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 72.1:

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:

40CFR 52-A.21

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Facility DEC ID: 6405800004



Item 72.2:

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

Item 72.3:

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 72.4:

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 72.5:

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 72.6:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST

Process: CL5

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 72.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined emissions of particulate matter (PM) from the following sources shall be limited to 4.0 tons per year: CL501, CL502, and CL504. The 12-month rolling total emissions of PM shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for a period of 5 years. Emissions of PM shall be reported semi-annually.

Reference Test Method: EPA method 5



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Permit ID: 6-4058-00004/00135

Facility DEC ID: 6405800004

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

Condition 73: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 73.1:

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:

40CFR 52-A.21

Item 73.2:

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

Item 73.3:

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 73.4:

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 73.5:

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 73.6:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST

Process: HVC

Emission Source: HVC10



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Facility DEC ID: 6405800004

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 73.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The installation of the new sand cooler/classifier HVC10 to replace HVC08 requires emissions caps to avoid NSR/PSD requirements. VOC emissions are limited to 1.0 tons per year. HVC10 cooler/classifier will replace HVC08. The 12 month rolling total emissions of VOC shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for 5 years. Emissions of VOC shall be reported semi-annually.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

**Condition 74: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 74.1:

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:

40CFR 52-A.21

Item 74.2:

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

Item 74.3:

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 74.4:



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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 74.5:

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 74.6:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST

Process: HVC Emission Source: HVC10

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 74.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The installation of the new sand cooler/classifier HVC10 to replace HVC08 requires emissions caps to avoid NSR/PSD requirements. PM emissions are limited to 1.0 tons per year. HVC10 cooler/classifier will replace HVC08. The 12 month rolling total emissions of PM shall be calculated monthly based on NYSDEC approved calculation methodology and the records shall be maintained for 5 years. Emissions of PM shall be reported semi-annually.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

**Condition 75: Capping Monitoring Condition
 Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 75.1:

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



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applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40CFR 52-A.21

Item 75.2:

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

Item 75.3:

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 75.4:

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 75.5:

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 75.6:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST

Process: HVC

Emission Source: HVC10

Regulated Contaminant(s):

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

Item 75.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The installation of the new sand cooler/classifier HVC10 to replace HVC08 requires emissions caps to avoid NSR/PSD requirements. PM-10 emissions are limited to 5.0 tons per year. HVC10 cooler/classifier will replace HVC08. The 12 month rolling total emissions of PM-10 shall be calculated monthly based on NYSDEC approved calculation methodology

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and the records shall be maintained for 5 years. Emissions of PM-10 shall be reported semi-annually.

Monitoring Frequency: MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
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 76: Contaminant List
Effective for entire length of Permit**

Applicable State Requirement: ECL 19-0301

Item 76.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this



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permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY075-00-5

Name: PM-10

CAS No: 000100-42-5

Name: STYRENE

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 0NY998-00-0

Name: VOC

**Condition 77: Unavoidable noncompliance and violations
Effective for entire length of Permit**

Applicable State Requirement: 6NYCRR 201-1.4

Item 77.1:

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



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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 superseded 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 78: Air pollution prohibited
Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 211.2

Item 78.1:

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 79: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 212.4(a)

Item 79.1:

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



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Emission Unit: G-MCAST
Process: CL1 Emission Source: CL101

Emission Unit: G-MCAST
Process: CL2 Emission Source: CL201

Emission Unit: G-MCAST
Process: CL3 Emission Source: CL301

Emission Unit: G-MCAST
Process: CL4 Emission Source: CL401

Emission Unit: G-MCAST
Process: CL5 Emission Source: CL501

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC06

Emission Unit: G-MCAST
Process: HVC Emission Source: HVC07

Regulated Contaminant(s):
CAS No: 000100-42-5 STYRENE

Item 79.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

A temperature monitoring device shall be used to continuously measure and record the temperature of the catalyst bed on the oxidizer while the cast line is operating (i.e. setting clusters, casting parts, and dumping boxes). The temperature monitoring device shall be electronically "interlocked" with operation of the cast line such that if the monitored parameter is outside the range specified below, then the emission generating activities shall cease (i.e. the cast line shall not index around its circuit, metal shall not be poured, new clusters shall not be set, and cast boxes shall not be dumped) until the oxidizer temperature, as measured by the temperature monitor, returns to within the range specified below. The temperature monitor and oxidizer shall be maintained in accordance with GM's Preventative Maintenance Inspections to ensure proper operation of the thermal catalytic oxidizer. The control logic



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"interlocking" the temperature monitor to cast line operation shall be checked quarterly to ensure the logic is still active and the proper ranges are programmed. The temperature monitor and cast line shall not be "interlocked" during periods of start up or shutdown. The temperature monitor shall not be required to be "interlocked" to the cast line's sand cooler/classifier system since emissions from the sand cooler/classifier system are captured and vented to a separate control device. A stack test of this or a similar source shall be conducted once during the term of the permit to demonstrate compliance with the control requirement of 97% and to check the correlation between the control efficiency and operating temperature.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 550 degrees Fahrenheit

Upper Permit Limit: 800 degrees Fahrenheit

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

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

**Condition 80: Asbestos containing surface coatings prohibited
Effective for entire length of Permit**

Applicable State Requirement: 6NYCRR 221.2

Item 80.1:

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