

New York State Department of Environmental Conservation
Facility DEC ID: 6405800004



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 6-4058-00004/00135
Mod 0 Effective Date: 06/18/2001 Expiration Date: 06/18/2006
Mod 1 Effective Date: 08/21/2001 Expiration Date: 06/18/2006
Mod 2 Effective Date: 06/06/2002 Expiration Date: 06/18/2006
Mod 3 Effective Date: 03/31/2003 Expiration Date: 06/18/2006
Mod 4 Effective Date: 06/16/2003 Expiration Date: 06/18/2006

Permit Issued To: GENERAL MOTORS CORP
100 RENAISSANCE CTR
DETROIT, MI 48265-1000

Contact: DOUGLAS PREMO
ENVIRONMENTAL MANAGER
ROUTE 37 EAST - P.O. BOX 460
MASSENA, NY 13662-0460
(315) 764-2233

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

Contact: CARL ENGEL
SENIOR PLANT ENGINEER
ROUTE 37 EAST - P.O. BOX 460
MASSENA, NY 13662-0460
(315) 764-2237

Description:

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

Permit Administrator: BRIAN D FENLON
 DIVISION OF ENVIRONMENTAL PERMITS
 STATE OFFICE BLDG, 317 WASHINGTON ST
 WATERTOWN, NY 13601-3787

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the 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

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Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and 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



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 2-1: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 2-1.1:

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

Item 2-1.2:

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

Item 2-1.3:

Permits are transferrable with the approval of the department unless specifically prohibited by the statute,



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regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 3: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13(a)

Expired by Mod No: 3

Item 3.1:

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

Item 3.2:

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

Condition 2-2: Permit Modifications, Suspensions and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 2-2.1:

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

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

Condition 4: Permit Modifications, Suspensions, and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Expired by Mod No: 3

Item 4.1:

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

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



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

**Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 6
HEADQUARTERS**
Applicable State Requirement: 6NYCRR 621.5(a)

Item 5.1:

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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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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MASSENA, NY 13662-0460
(315) 764-2237

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

Mod 0 Permit Effective Date: 06/18/2001

Permit Expiration Date: 06/18/2006

Mod 1 Permit Effective Date: 08/21/2001

Permit Expiration Date: 06/18/2006



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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: Sealing - 6NYCRR Part 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation.

Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

Item B: Acceptable Ambient Air Quality - 6NYCRR Part 200.6

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

Item C: Maintenance of Equipment - 6NYCRR Part 200.7

Any person who owns or operates an air contamination

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

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

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

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

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

Item E: Emergency Defense - 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

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emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

Item F: Recycling and Salvage - 6NYCRR Part 201-1.7

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6NYCRR Part 201-1.8

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

Item H: 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 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 I: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR Part 201-3.2(a)

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control

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requirements, regulations, or law.

- Item J: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR Part 201-3.3(a)**
The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.
- Item K: 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 L: 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 M: 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 N: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission**

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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 O: Providing Information Upon Request - 6 NYCRR Part 201-6.5(a)(4)

The permittee 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. The permittee shall also, on request, furnish the Department with copies of records required to be kept by the permit. Where information is claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

Item P: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 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 order to maintain compliance with the conditions of this permit.

Item Q: 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 R: Fees - 6 NYCRR Part 201-6.5(a)(7)

The owner and/or operator of a stationary source shall pay fees to the department consistent with the fee schedule authorized by 6 NYCRR Subpart 482-2.

Item S: Right to Inspect - 6 NYCRR Part 201-6.5(a)(8)

Upon presentation of credentials and other documents, as may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:

- i. Enter upon the permittee's premises where the permitted

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facility 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 facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Item T: 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 U: Progress Reports and Compliance Schedules - 6 NYCRR Part 201-6.5(d)(5)

Progress reports consistent with an applicable schedule of compliance must be submitted at least semiannually on a calendar year basis, or at a more frequent period if specified in the applicable requirement or by the Department elsewhere in this permit. These reports shall be submitted to the Department within 30 days after the end of a reporting period. 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.

Item V: Off Permit Changes - 6 NYCRR Part 201-6.5(f)(6)

No permit revision will be required for operating changes that contravene an express permit term, provided that such

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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 provisions 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 in advance of the proposed changes within a minimum of 7 days as required by 6 NYCRR §201-6.5(f)(6).

Item W: 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 X: 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 is to be reopened, except that the Department may provide

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a shorter time period in the case of an emergency.

Item Y: Required Emission Tests - 6 NYCRR Part 202-1.1

An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6NYCRR Part 202-1.

Item Z: Visible Emissions Limited - 6 NYCRR Part 211.3

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

Item AA: Open Fires - 6 NYCRR Part 215

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

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

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

FEDERAL APPLICABLE REQUIREMENTS

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

Condition 1: Definitions Applicable To This Permit
Effective between the dates of 06/18/2001 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 200.1

Item 1.1:

The definitions found in Parts 200 and 201 apply throughout this permit. Specific definitions used in this permit and their meanings include:

led by Public Law

101-549, November 15, 1990.

tection Agency or

designee.

3. "Department" refers to the New York State Department of Environmental Conservation.

Condition 13: Exempt Activities - Maintenance of Control Equipment
Effective between the dates of 06/18/2001 and 06/18/2006

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

Item 13.1:

Part 201-3.2(c),

on the basis of the use of appropriate emission control device shall operate and maintain such device in a manner consistent with good engineering practices.

Condition 15: Trivial Activities - Maintenance of Control Equipment
Effective between the dates of 06/18/2001 and 06/18/2006

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

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Item 15.1:

to be exempt in 6
shall operate and

maintain such device in a manner consistent with good engineering practices.

Condition 28: Emission Unit Definition

Effective between the dates of 06/18/2001 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 28.1(From Mod 4):

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

Emission Unit: G-MCAST

Emission Unit Description:

This emission unit includes Module Aluminum Cast Lines #1 through #5, the HVC Line, and the Machining Centers. Sand, mullite or equivalent material may be used at any of the cast lines. Based on manufacturer's data, 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.

Building(s): 01

Item 28.2(From Mod 3):

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 28.3(From Mod 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, jet melter dross bins and SNIF units. Any salt fluxing agent may be used in the reverberatory furnaces and "jet" melter provided the Air-Guide 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 fenceline of the



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facility are not exceeded, and additional operating restrictions or controls are not needed to ensure compliance with the guideline concentrations for these toxics based on the appropriate modeling.

Building(s): 01

Item 28.4(From Mod 3):

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. These carbon canisters are not required by any applicable federal or state requirement. 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 may be 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 2-1: Recordkeeping and reporting of compliance monitoring Effective between the dates of 06/06/2002 and 06/18/2006

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

Item 2-1.1:

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;

Control procedures



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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.

l reports. Reports

must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

Condition 2-2: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 06/06/2002 and 06/18/2006

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

Item 2-2.1:

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

l for a period of at
plication. Support
part recordings for

continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 3-1: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

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

Item 3-1.1:

The Compliance Certification activity will be performed for the Facility.

Item 3-1.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

(1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

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

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations

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reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

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

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

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

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) 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.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.



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

Condition 3-2: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

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

Item 3-2.1:

The Compliance Certification activity will be performed for the Facility.

Item 3-2.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

i. Compliance certifications shall contain:

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

ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters.

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The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) 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
Watertown, NY 13601-3787

The address for the BCME is as follows:

NYSDEC
Bureau of Compliance Monitoring
and Enforcement
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due on the same day each year

Condition 3-3: Non Applicable requirements
Effective between the dates of 03/31/2003 and 06/18/2006

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

Item 3-3.1:

tified as being not



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requirements as non-applicable to this facility and/or emission units, emission points, processes and/or emission sources within applicable.

(From Mod 3) 6NYCRR 231-2.

Emission Unit: GMCAST Process: HVC Source: HVC10

Reason: The installation of the more efficient cooler/classifier HVC10 in place of HVC08 requires emissions caps in order to avoid NSR applicability. Emissions of VOC are limited to 1.0 tons per year. HVC08 will have to be shut down in order to install the new cooler/classifier HVC10.

40CFR 52-A.21

Emission Unit: GMCAST Process: HVC Source: HVC10

Reason: The installation of the more efficient cooler/classifier HVC10 in place of HVC08 requires emissions caps in order to avoid PSD applicability. Emissions of PM-10 are limited to 5.0 tons per year and PM emissions are limited to 1.0 tons per year. HVC08 will have to be shut down in order to install the new cooler/classifier HVC10.

Condition 32: Facility Permissible Emissions
Effective between the dates of 06/18/2001 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Item 32.1:

include the following

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

CAS No: 0NY210-00-0 (From Mod 4) PTE: 199,800 pounds per year
Name: OXIDES OF NITROGEN

Condition 3-4: Compliance Certification
Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Replaces Condition(s) 41

Item 3-4.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 3-4.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined emissions of VOC from sources constructed before December 31, 1992 shall be limited to 49.9 tpy. These sources include: ME202, ME203, ME501, BE101, BE105, BE106, BE110, HLM01, HLM02, HLM06, HLM07, HLM11, HLM12, HVC01, HVC02, HVC03, HVC04, HVC05, HVC07, HVC08, HVC09, MAC01, MAC02, MAC03, SND01, SND02, HTG02, PWR01, and ROADS. The 12 month rolling total emissions of VOC shall be calculated monthly based on NYS DEC approved calculation methodology and the records shall be maintained for 5 years. Emissions of VOC shall be reported annually.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3-5: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Replaces Condition(s) 37

Item 3-5.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 3-5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined emissions of VOC from the following sources constructed after December 31, 1992 shall be limited to 49.9 tpy ME204, ME205, ME301, ME503,



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ME504, BE102, BE103, BE104, BE107, BE108, BE109, HLM03, HLM04, HLM05, HLM08, HLM09, HLM10, HLM13, MAC04, MAC05, MAC06, MAC07, MAC08, CLM01, CLM02, CLM03, CLM04, CLM05, CLM06, 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, CLM35, CLM36, HVC06, CL101, CL102, CL104, CL201, CL202, CL204, CL301, CL302, CL304, CL401, CL402, CL404, CL501, CL502, CL504, HTG01, PWR02, PWR03, and PWR04. The 12 month rolling total emissions of VOC shall be calculated monthly based on NYS DEC approved calculation methodology and the records shall be maintained for 5 years. Emission of VOC shall be reported annually.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3-6: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Replaces Condition(s) 35

Item 3-6.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 3-6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined emissions of PM-10 from sources constructed before December 31, 1992 shall be limited to 99.9 tons per



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year. These sources include: ME202, ME203, ME501, BE101, BE105, BE106, BE110, HLM01, HLM02, HLM06, HLM07, HLM11, HLM12, HVC01, HVC02, HVC03, HVC04, HVC05, HVC07, HVC08, HVC09, MAC01, MAC02, MAC03, SND01, SND02, HTG02, PWR01, and ROADS. The 12 month rolling total emissions of PM-10 shall be calculated monthly based on NYS DEC approved calculation methodology and the records shall be maintained for a period of 5 years. Emissions of PM-10 shall be reported annually.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3-7: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Replaces Condition(s) 39

Item 3-7.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 3-7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined emissions of Particulate Matter (PM) from sources constructed before December 31, 1992 shall be limited to 99.9 tons per year. These sources include; ME202, ME203, ME501, BE101, BE105, BE106, BE110, HLM01, HLM02, HLM06, HLM07, HLM11, HLM12, HVC01, HVC02, HVC03, HVC04, HVC05, HVC07, HVC08, HVC09, MAC01, MAC02, MAC03, SND01, SND02, HTG02, PWR01, and ROADS. The 12 month rolling total

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emissions of PM shall be calculated monthly based on NYS DEC approved calculation methodology and the records shall be maintained for a period of 5 years. Emissions of PM shall be reported annually.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3-8: Compliance Certification
Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Replaces Condition(s) 34

Item 3-8.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 3-8.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined emissions of Particulate Matter (PM) from the following sources constructed after December 31, 1992 shall be limited to 99.9 tpy: ME204, ME205, ME301, ME503, ME504, MAC04, MAC05, MAC06, MAC07, MAC08, BE102, BE103, BE104, BE107, BE108, BE109, HLM03, HLM04, HLM05, HLM08, HLM09, HLM10, HLM13, CLM01, CLM02, CLM03, CLM04, CLM05, CLM06, 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, CLM35, CLM36, HVC06, CL101, CL102, CL104, CL201, CL202, CL204, CL301, CL302, CL304, CL401, CL402, CL404, CL501, CL502,



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CL504, HTG01, PWR02, PWR03, and PWR04.

The 12 month rolling total emissions of PM shall be calculated monthly based on NYS DEC approved calculation methodology and the records shall be maintained for 5 years. Emissions of PM shall be reported annually.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3-9: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Replaces Condition(s) 36

Item 3-9.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 3-9.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined emissions of PM-10 from the following sources constructed after December 31, 1992 shall be limited to 99.9 tpy: ME204, ME205, ME301, ME503, ME504, MAC04, MAC05, MAC06, MAC07, MAC08, BE102, BE103, BE104, BE107, BE108, BE109, HLM03, HLM04, HLM05, HLM08, HLM09, HLM10, HLM13, CLM01, CLM02, CLM03, CLM04, CLM05, CLM06, 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, CLM35, CLM36, HVC06, CL101, CL102, CL104, CL201, CL202, CL204, CL301, CL302, CL304, CL401,



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CL402, CL404, CL501, CL502, CL504, HTG01, PWR02, PWR03, and PWR04. The 12 month rolling total emissions of PM-10 shall be calculated monthly based on NYS DEC approved calculation methodology and the records shall be maintained for 5 years. Emissions of PM-10 shall be reported annually.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3-10: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Replaces Condition(s) 1-1

Item 3-10.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 3-10.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined emissions of Carbon Monoxide (CO) from the following sources constructed after December 31, 1992 shall be limited to 99.9 tpy: ME204, ME205, ME301, ME503, ME504, MAC04, MAC05, MAC06, MAC07, MAC08, BE102, BE103, BE104, BE107, BE108, BE109, HLM03, HLM04, HLM05, HLM08, HLM09, HLM10, HLM13, CLM01, CLM02, CLM03, CLM04, CLM05, CLM06, CLM07, CLM08, CLM09, CLM10, CLM11, CLM12, CLM13, CLM14, CLM15, CLM16, CLM17, CLM18, CLM19, CLM20, CLM21, CLM22, CLM23, CLM25, CLM26, CLM27, CLM28, CLM29, CLM30, CLM31, CLM24, CLM32, CLM33, CLM34, CLM35, CLM36, HVC06, CL101, CL102,



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CL104, CL201, CL202, CL204, CL301, CL302,
CL304, CL401, CL402, CL404, CL501, CL502,
CL504, HTG01, PWR02, PWR03, and PWR04.

The 12 month rolling total emissions of
CO shall be calculated monthly based on
NYS DEC approved calculation methodology
and the records shall be maintained for 5
years. Emissions of CO shall be reported
annually.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3-11: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Replaces Condition(s) 40

Item 3-11.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 3-11.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The combined emissions of Carbon
Monoxide (CO) from sources constructed
before December 31, 1992 shall be limited
to 99.9 tpy. These sources include;
ME202, ME203, ME501, MAC02, MAC03, BE101,
BE105, BE106, BE110, HLM01, HLM02, HLM06,
HLM07, HLM11, HLM12, HVC01, HVC02, HVC03,
HVC04, HVC05, HVC07, HVC08, HVC09, MAC01,
SND01, SND02, HTG02, PWR01, and ROADS.

The 12 month rolling total emissions of
CO shall be calculated monthly based on
NYS DEC approved calculation methodology
and the records shall be maintained for 5



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years. Emissions of CO shall be reported annually.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3-12: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Replaces Condition(s) 33

Item 3-12.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 3-12.2:

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. Facility emissions of NO_x shall be reported annually.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 43: Notification

Effective between the dates of 06/18/2001 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 202-1.2

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Item 43.1:

the commissioner,

in writing, not less than 30 days prior to the test, of the time and date of the test. Such notification shall also include the acceptable procedures to be used to stack test including sampling and analytical

s to observe stack

testing being conducted by such person.

Condition 44: Acceptable procedures

Effective between the dates of 06/18/2001 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 202-1.3(a)

Item 44.1:

th this Subchapter

shall be conducted in accordance with test methods acceptable to the commissioner. The Reference

e Code of Federal

Regulations and all future technical revisions, additions or corrections made thereto shall be considered as

ressly applicable,

Reference Method

: or more alternate

ource shall submit

the emission test report in triplicate, to the commissioner within 60 days after the completion of tests. In

s not sufficient, he

rd is applicable to

the source tested, the emission test report shall include the opacity observation.

Condition 45: Compliance Certification

Effective between the dates of 06/18/2001 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 45.1:

The Compliance Certification activity will be performed for the Facility.

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April

15th each year for emissions of the previous calendar

year.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year



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**Condition 46: Emission statement methods and procedures
Effective between the dates of 06/18/2001 and 06/18/2006**

Applicable Federal Requirement: 6NYCRR 202-2.4

Item 46.1:

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

(a) Emissions estimates shall be based on the owner's or operator's use of the following methods. For nation methods to represent actual emissions emitted during the calendar year.

- (1) stack samples or other emission measurements;
- (2) material balance using knowledge of the process;
- (3) national emission factors;
- (4) best engineering judgement (including manufacturers' guarantees);
- (5) state or local agency emission factors approved by EPA;

assign the SCC to a particular facility. A source owner may request the Department to change an assigned SCC;

- (7) other published emission factors (please provide); and
- (8) other (please specify).

o comply with this and verified by the Department and is still applicable to the operations during the reporting period, this monitoring or testing sense of validated which would yield accurate emissions data.)

od to demonstrate mission estimates for the corresponding processes be based on information obtained from that monitoring method. The Department may reject the use of a proposed method for a particular process if it can be demonstrated that the method does not represent actual emissions.

in statement to the Department on forms acceptable to the Department. With the prior approval of the Department, an emission statement which meets the requirements of section 202-2.4 may be submitted on computer diskette or transmitted electronically in lieu of a written submission.



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Department will

(d) The owner or operator may request that information submitted in emission statements be designated as a trade secret, in accordance with Part 616 of this Title. Data elements not considered to be evaluate claims for confidentiality in accordance with Part 616 of this Title.

Condition 47: Recordkeeping requirements
Effective between the dates of 06/18/2001 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 47.1:

(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 3-13: Compliance Certification
Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Replaces Condition(s) 1-7, 1-11, 1-15, 1-19, 1-23, 1-32, 1-34

Item 3-13.1:

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

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Emission Unit: G-MCAST

Process: HVC

Emission Source: HVC07

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 3-13.2:

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 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 startup 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 upon written request from the department 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



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Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED RANGE AT ANY TIME
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2003.
Subsequent reports are due every 12 calendar month(s).

Condition 3-14: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 3-14.1:

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 3-14.2:

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 measure the pressure drop across the baghouse. Pressure drop shall be manually recorded once per week. Corrective actions shall be taken in accordance with good operating practices when the pressure drop is outside the range specified below. Excursions outside the range shall be logged, along with the corrective action taken. 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



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Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED RANGE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2003.
Subsequent reports are due every 6 calendar month(s).

Condition 3-15: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 3-15.1:

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

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 3-15.2:

Compliance Certification shall include the following monitoring:



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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 minimize emissions.

Upper Permit Limit: 0.05 grains per dscf

Reference Test Method: EAP Method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3-16: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Replaces Condition(s) 1-30, 1-33, 1-35, 1-36, 71, 75, 78, 81, 85, 89, 93, 97, 100,

104

Item 3-16.1:

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



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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

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: HVC08

Emission Unit: G-MCAST

Process: HVC Emission Source: HVC10

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 3-16.2:

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



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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 upon written request from the department 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 MONITORING DESCRIPTION
Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED RANGE AT ANY TIME
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2003.
Subsequent reports are due every 12 calendar month(s).

**Condition 49: Capped sources of VOC and NOx not subject to 212.9(b) for non A-rated contaminants
Effective between the dates of 06/18/2001 and 06/18/2006**

Applicable Federal Requirement: 6NYCRR 212.5(f)

Item 49.1:

al to emit nitrogen
l state enforceable
oxide and volatile
requirements in 6

special conditions in permits to construct and/or operate under the provisions of 6 NYCRR Part
NYCRR Part 212.9(b) if the emissions are not given an A rating.

**Condition 3-17: Compliance Certification
Effective between the dates of 03/31/2003 and 06/18/2006**

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 3-17.1:

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

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Emission Unit: G-MMELT

Process: ME2

Item 3-17.2:

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 percent or greater from any process emission source, except only the emissions of uncombined water. An annual method 9 visible emissions test shall be conducted to demonstrate compliance. 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 MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3-18: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 3-18.1:

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: G-MMELT

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Process: ME3

Emission Unit: 1-GMFAC

Process: HTG

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

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: HVC08

Emission Unit: G-MMELT



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Process: ME5 Emission Source: ME503

Emission Unit: G-MMELT

Process: ME5 Emission Source: ME504

Emission Unit: G-MCAST

Process: HVC Emission Source: HVC10

Item 3-18.2:

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 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 MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 50: Sampling and Monitoring

Effective between the dates of 06/18/2001 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 212.11(a)

Item 50.1:

stack testing to
capture efficiency and/or stack testing to

capture efficiency and/or stack testing using acceptable procedures pursuant to 6 NYCRR Part 202.

Condition 52: Compliance Certification

Effective between the dates of 06/18/2001 and 06/18/2006

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

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Item 52.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 52.2:

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 which contains sulfur in a quantity exceeding 1.5% by weight (6 NYCRR 225-1.2(a)(2)). GM shall review and retain supplier certifications 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 53: General requirements

Effective between the dates of 06/18/2001 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 226.2

Item 53.1:

No person shall conduct solvent metal cleaning unless:

posed of in such a to the atmosphere;

fugitive emissions;

(3) Equipment used in solvent metal cleaning displays a conspicuous summary of proper operating



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procedures consistent with minimizing emissions of volatile organic compounds; and

(4) Equipment covers are closed when the solvent metal cleaning unit is not in service.

(5) A record of solvent consumption shall be maintained for each year and made available to the commissioner or his representative upon request.

**Condition 54: Equipment Specifications - Cold cleaning degreasing
Effective between the dates of 06/18/2001 and 06/18/2006**

Applicable Federal Requirement: 6NYCRR 226.3(a)

Item 54.1:

quired by a source

owner conducting solvent metal cold cleaning degreasing:

(1) A cover shall be provided which can be operated easily.

(2) The drainage facility shall be internal (under cover), if practical.

quipment having a

freeboard ratio greater than or equal to 0.7, or a water cover where the solvent is insoluble in and heavier

38° C (100° F) or

where the solvent is heated above 50° C (120°F).

**Condition 55: Operating requirements - cold cleaning degreasing
Effective between the dates of 06/18/2001 and 06/18/2006**

Applicable Federal Requirement: 6NYCRR 226.4(a)

Item 55.1:

es are required by

a source owner conducting solvent metal cold cleaning degreasing:

- Clean parts shall be drained at least 15 seconds or until dripping ceases.

**Condition 3-19: Accidental release provisions.
Effective between the dates of 03/31/2003 and 06/18/2006**

Applicable Federal Requirement: 40CFR 68.

Replaces Condition(s) 2-4

Item 3-19.1:

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;

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b) The owner or operator shall submit (if not previously submitted) one of the following if such quantities are present at the time of permit issuance:

ate provided in 40

CFR §68.10(a) or,

f 40 CFR Part 68,
ould be submitted

to:

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866
ATTN: Accidental Release Program contact

Condition 3-20: Recycling and Emissions Reduction
Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 3-20.1:

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

Condition 3-21: Recycling and Emissions Reduction
Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 3-21.1:

rsuant to 40 CFR

Part 82, Subpart F, except as provided for MVAC's in Subpart B:

a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR Part 82.156.

must comply with

the standards for recycling and recovery equipment pursuant to 40 CFR Part 82.158.

be certified by an

approved technician certification program pursuant to 40 CFR Part 82.161.

re as defined at 40

CFR Part 82.152)

mply with the leak

repair requirements pursuant to 40 CFR Part 82.156.

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igerant must keep

records of refrigerant purchased and added to such appliances pursuant to 40 CFR Part 82.166.

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

**Condition 57: Emission Point Definition By Emission Unit
Effective between the dates of 06/18/2001 and 06/18/2006**

Applicable Federal Requirement: 6NYCRR 201-6.

Item 57.1(From Mod 3):

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: 00114

Height (ft.): 20

Length (in.): 12

Width (in.): 12

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

Emission Point: 00197

Height (ft.): 67

Diameter (in.): 26

NYTMN (km.): 4980.9

NYTME (km.): 519.6

Building: 01

Emission Point: 00198

Height (ft.): 49

Length (in.): 36

Width (in.): 36

NYTMN (km.): 4980.9

NYTME (km.): 519.6

Building: 01

Item 57.2(From Mod 1):

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



New York State Department of Environmental Conservation

Permit ID: 6-4058-00004/00135

Facility DEC ID: 6405800004

Emission Unit: G-MCAST

Emission Point: 00064

Height (ft.): 54

NYTMN (km.): 4980.9

Diameter (in.): 60

NYTME (km.): 519.6

Building: 01

Emission Point: 00084

Height (ft.): 49

NYTMN (km.): 4980.9

Diameter (in.): 42

NYTME (km.): 519.6

Building: 01

Emission Point: 00089

Height (ft.): 57

NYTMN (km.): 4980.9

Removal Date: 01/10/2003

Diameter (in.): 16

NYTME (km.): 519.6

Building: 01

Emission Point: 00095

Height (ft.): 67

NYTMN (km.): 4980.9

Diameter (in.): 34

NYTME (km.): 519.6

Building: 01

Emission Point: 00097

Height (ft.): 67

NYTMN (km.): 4980.9

Diameter (in.): 20

NYTME (km.): 519.6

Building: 01

Emission Point: 00098

Height (ft.): 67

NYTMN (km.): 4980.9

Diameter (in.): 34

NYTME (km.): 519.6

Building: 01

Emission Point: 00116

Height (ft.): 75

NYTMN (km.): 4980.9

Diameter (in.): 34

NYTME (km.): 519.6

Building: 01

Emission Point: 00117

Height (ft.): 75

NYTMN (km.): 4980.9

Diameter (in.): 34

NYTME (km.): 519.6

Building: 01

Emission Point: 00118

Height (ft.): 75

NYTMN (km.): 4980.9

Diameter (in.): 34

NYTME (km.): 519.6

Building: 01

Emission Point: 00125

Height (ft.): 67

NYTMN (km.): 4980.9

Diameter (in.): 20

NYTME (km.): 519.6

Building: 01

Emission Point: 00126

Height (ft.): 67

NYTMN (km.): 4980.9

Diameter (in.): 20

NYTME (km.): 519.6

Building: 01

Emission Point: 00127

Height (ft.): 67

Diameter (in.): 20



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Permit ID: 6-4058-00004/00135

Facility DEC ID: 6405800004

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
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 57.3(From Mod 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		



New York State Department of Environmental Conservation

Permit ID: 6-4058-00004/00135

Facility DEC ID: 6405800004

Height (ft.): 63 NYTMN (km.): 4980.9	Diameter (in.): 36 NYTME (km.): 519.6	Building: 01
Emission Point: 00059 Height (ft.): 60 NYTMN (km.): 4980.9	Removal Date: 01/10/2003 Diameter (in.): 27 NYTME (km.): 519.6	Building: 01
Emission Point: 00060 Height (ft.): 60 NYTMN (km.): 4980.9	Removal Date: 01/10/2003 Diameter (in.): 27 NYTME (km.): 519.6	Building: 01
Emission Point: 00079 Height (ft.): 63 NYTMN (km.): 4980.9	Diameter (in.): 36 NYTME (km.): 519.6	Building: 01
Emission Point: 00080 Height (ft.): 63 NYTMN (km.): 4980.9	Diameter (in.): 36 NYTME (km.): 519.6	Building: 01
Emission Point: 00129 Height (ft.): 26 NYTMN (km.): 4980.9	Diameter (in.): 38 NYTME (km.): 519.6	Building: 01
Emission Point: 00132 Height (ft.): 26 NYTMN (km.): 4980.9	Diameter (in.): 38 NYTME (km.): 519.6	Building: 01
Emission Point: 00153 Height (ft.): 67 NYTMN (km.): 4980.9	Diameter (in.): 42 NYTME (km.): 519.6	Building: 01
Emission Point: 00154 Height (ft.): 67 NYTMN (km.): 4980.9	Diameter (in.): 26 NYTME (km.): 519.6	Building: 01
Emission Point: 00155 Height (ft.): 67 NYTMN (km.): 4980.9	Diameter (in.): 36 NYTME (km.): 519.6	Building: 01
Emission Point: 00156 Height (ft.): 67 NYTMN (km.): 4980.9	Diameter (in.): 36 NYTME (km.): 519.6	Building: 01
Emission Point: 00157 Height (ft.): 67 NYTMN (km.): 4980.9	Diameter (in.): 36 NYTME (km.): 519.6	Building: 01
Emission Point: 00158		



New York State Department of Environmental Conservation

Permit ID: 6-4058-00004/00135

Facility DEC ID: 6405800004

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.): 67	Diameter (in.): 36	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00192		
Height (ft.): 67	Diameter (in.): 36	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00193		
Height (ft.): 67	Diameter (in.): 36	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00194		
Height (ft.): 67	Diameter (in.): 36	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00195		
Height (ft.): 67	Diameter (in.): 36	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01
Emission Point: 00196		
Height (ft.): 67	Diameter (in.): 36	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01

Item 57.4(From Mod 0):

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

Emission Unit: G-MMOLD

Emission Point: 00069		
Height (ft.): 61	Diameter (in.): 26	
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01



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Permit ID: 6-4058-00004/00135

Facility DEC ID: 6405800004

Emission Point: 00070			
Height (ft.): 61	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00071			
Height (ft.): 15	Diameter (in.): 15		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
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: 00107			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00108			
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: 00119			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00120			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	



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Facility DEC ID: 6405800004

Emission Point: 00121			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00122			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00123			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00124			
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	
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	



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Facility DEC ID: 6405800004

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		
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	



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Facility DEC ID: 6405800004

Emission Point: 00171			
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: 00179			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00180			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00181			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	
Emission Point: 00182			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.7	Building: 01	
Emission Point: 00183			
Height (ft.): 67	Diameter (in.): 10		
NYTMN (km.): 4980.9	NYTME (km.): 519.6	Building: 01	



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Facility DEC ID: 6405800004

Emission Point: 00184
Height (ft.): 67 Diameter (in.): 10
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00185
Height (ft.): 67 Diameter (in.): 10
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00186
Height (ft.): 67 Diameter (in.): 10
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00187
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

Emission Point: 00189
Height (ft.): 67 Diameter (in.): 18
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

Emission Point: 00190
Height (ft.): 67 Diameter (in.): 18
NYTMN (km.): 4980.9 NYTME (km.): 519.6 Building: 01

**Condition 58: Process Definition By Emission Unit
Effective between the dates of 06/18/2001 and 06/18/2006**

Applicable Federal Requirement: 6NYCRR 201-6.

Item 58.1(From Mod 4):

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 Didion drum with 16 mmBTU/hr burner, Cast Line #1 Cooler/Classifier (EP 00125), and Cast Line #1 Cluster set (Box Sand Filling) Machine.

The degate saw and the box filling machine are insignificant activities per 6 NYCRR 201-6.3(d)(7)

Emission Source/Control: C1BH1 - Control

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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

Emission Source/Control: CL105 - Process

Item 58.2(From Mod 4):

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 Didion Drum with 16 mmBTU/hr burner, Cast Line #3 Cooler/Classifier (EP 00127), and Cast Line #3 Cluster set (Box Sand Filling) Machine.

The degate saw and the box filling machine are insignificant activities per 6 NYCRR 201-6.3(3)(7).

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

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

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

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Emission Source/Control: CL303 - Process

Emission Source/Control: CL304 - Process

Item 58.3(From Mod 4):

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 Didion Drm with 16 mmBTU/hr burner, cast line #4 cooler/classifier (EP 00134), and Cast Line #4 cluster set (Box Sand Filling) Machine.

The degate saw and the box filling machine are insignificant activities 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: C4INC - Control

Control Type: CATALYTIC AFTERBURNER

Emission Source/Control: CL401 - Process

Emission Source/Control: CL402 - Process

Emission Source/Control: CL403 - Process

Emission Source/Control: CL404 - Process

Item 58.4(From Mod 4):

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

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 Didion Drum with 16 mmBTU/hr burner, Cast Line #5 Cooler/Classifier (EP 00097), and Cast Line #5 Cluster Set (Box Sand Filling) Machine.

The degate saw and the box filling machine are

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insignificant activities 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: C5INC - Control
Control Type: CATALYTIC AFTERBURNER

Emission Source/Control: CL501 - Process

Emission Source/Control: CL502 - Process

Emission Source/Control: CL503 - Process

Emission Source/Control: CL504 - Process

Item 58.5(From Mod 4):

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 Didion Rotary Drum System (EP 00095), the HVC Line Sand Cooler/Classifier (EP 00064), and the HVC Line Incinerator #2 (EP 00169). The degate saw and cooling conveyor are insignificant activities 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: HVBH3 - Control
Control Type: FABRIC FILTER

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



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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: HVC08 - Process

Emission Source/Control: HVC10 - Process

Item 58.6(From Mod 3):

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 ovens #1-#3 (EP 00131, 00197, 00198) and the PIFCO heat treating oven (EP 00090).

Emission Source/Control: HTG01 - Process

Emission Source/Control: HTG02 - Process

Emission Source/Control: HTG03 - Process

Emission Source/Control: HTG04 - Process

Item 58.7(From Mod 3):

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:



New York State Department of Environmental Conservation

Permit ID: 6-4058-00004/00135

Facility DEC ID: 6405800004

This process consists of combustion devices including Process boilers #1 and #2 (EP 00113 and 00172), and two backup boilers (EP 00114).

Emission Source/Control: PWR01 - Combustion
Design Capacity: 57 million Btu per hour

Emission Source/Control: PWR02 - Combustion
Design Capacity: 57 million Btu per hour

Emission Source/Control: PWR03 - Combustion
Design Capacity: 5 million Btu per hour

Emission Source/Control: PWR04 - Combustion
Design Capacity: 14 million Btu per hour

Item 58.8(From Mod 0):

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 58.9(From Mod 0):

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

Emission Unit: 1-GMFAC
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 58.10(From Mod 3):

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

Emission Unit: G-MCAST
Process: CL2 Source Classification Code: 3-04-001-15
Process Description:



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Permit ID: 6-4058-00004/00135

Facility DEC ID: 6405800004

This process includes Aluminum Cast Line #2 (EP 00117) and associated Didion drum with 16 mmBTU/hr burner, Cast Line #2 Cooler/Classifier (EP 00126), and Cast Line #2 Cluster Set (Box Sand Filling) Machine.

The degate saw and the box filling machine are insignificant activities 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: CL203 - Process

Emission Source/Control: CL204 - Process

Item 58.11(From Mod 3):

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). 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



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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

Emission Source/Control: MAC09 - Process

Emission Source/Control: MAC10 - Process

Emission Source/Control: MAC11 - Process

Emission Source/Control: MAC12 - Process

Emission Source/Control: MAC13 - Process

Emission Source/Control: MAC14 - Process

Emission Source/Control: MAC15 - Process

Item 58.12(From Mod 0):

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

Emission Unit: G-MMELT

Process: ME1

Source Classification Code: 3-03-009-26

Process Description:

This process includes the facility's induction furnaces (EP 00059 and 00060).

Emission Source/Control: ME101 - Process

Emission Source/Control: ME102 - Process

Item 58.13(From Mod 3):

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 (EPs 00028, 00029, and 00079 for source ME202; EPs 00030, 00031, and 00080 for source ME203; EPs 00155, 00156, and 00157 for ME204; EPs



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00158,00159, and 00160 for ME 205; EPs
00191, 00192 and 00193 for ME 206; and EPs
00194, 00195, and 00196 for ME 207).

Emission Source/Control: ME203 - Process

Emission Source/Control: ME204 - Process

Emission Source/Control: ME205 - Process

Emission Source/Control: ME206 - Process

Emission Source/Control: ME207 - Process

Item 58.14(From Mod 3):

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 (EP00153,
00154, 00167).

Emission Source/Control: ME301 - Process

Item 58.15(From Mod 3):

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), ladle dross pot, and dross
bins. The ladle dross bins is an insignificant activity
per 6 NYCRR 201-6.3(d)(7).

Emission Source/Control: MBH01 - Control

Control Type: FABRIC FILTER

Emission Source/Control: MBH02 - Control

Control Type: FABRIC FILTER

Emission Source/Control: ME501 - Process

Emission Source/Control: ME503 - Process

Emission Source/Control: ME504 - Process



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Item 58.16(From Mod 3):

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 #1-4, bead screener, pentane reduction chambers #1-4 (EP 00100, 00130, 00170, 00171), & bead storage/aging hoppers. The bead storage/aging hoppers are insignificant activities per 6 NYCRR 201-6.3(d)(7).

Emission Source/Control: BE101 - Process

Emission Source/Control: BE102 - Process

Emission Source/Control: BE103 - Process

Emission Source/Control: BE104 - Process

Emission Source/Control: BE105 - Process

Emission Source/Control: BE106 - Process

Emission Source/Control: BE107 - Process

Emission Source/Control: BE108 - Process

Emission Source/Control: BE109 - Process

Emission Source/Control: BE110 - Process

Item 58.17(From Mod 3):

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

Emission Unit: G-MMOLD

Process: CLM

Source Classification Code: 3-04-001-99

Process Description:

This process includes Module Drying Ovens #11-#13 (EP 00119, 00120, 00121), Module Drying Ovens #14 (EP 00122), Module Aging Oven #15 (EP00123), Module Drying Oven #16 (EP 00124), Module Aging Ovens #17-#32 (EP 00135-00150), Module Drying Ovens #33-#34 (EP 00151-00152), Module Mold Machines P1-P16, Module Drying Ovens #35-#36 (EP 00173-00174), Module Aging Ovens #37-#39

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(EP 00175-00177), Module Mold Machines #1 - #4 (P17-P20), Module Mold Machines #5- #8 (13D-16D), Module Mold Machines #9-#18 (25D-34D), Module Aging Ovens #40-#49 (EP 00178-00187), and Module Drying Ovens #50-#52 (EP 00187-00190).

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: CLM01 - Process

Emission Source/Control: CLM02 - Process

Emission Source/Control: CLM03 - Process

Emission Source/Control: CLM04 - Process

Emission Source/Control: CLM05 - Process

Emission Source/Control: CLM06 - Process

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

Emission Source/Control: CLM15 - Process

Emission Source/Control: CLM16 - Process

Emission Source/Control: CLM17 - Process

Emission Source/Control: CLM18 - Process

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- 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: CLM35 - Process
- Emission Source/Control: CLM36 - Process
- Emission Source/Control: CLM37 - Process
- Emission Source/Control: CLM38 - Process
- Emission Source/Control: CLM39 - Process
- Emission Source/Control: CLM40 - Process
- Emission Source/Control: CLM41 - Process
- Emission Source/Control: CLM42 - Process

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Emission Source/Control: CLM43 - Process

Emission Source/Control: CLM44 - Process

Emission Source/Control: CLM45 - Process

Emission Source/Control: CLM46 - Process

Emission Source/Control: CLM47 - Process

Emission Source/Control: CLM48 - Process

Emission Source/Control: CLM49 - Process

Emission Source/Control: CLM50 - Process

Emission Source/Control: CLM51 - Process

Emission Source/Control: CLM52 - Process

Emission Source/Control: CLM53 - Process

Emission Source/Control: CLM54 - Process

Emission Source/Control: CLM55 - Process

Emission Source/Control: CLM56 - Process

Emission Source/Control: CLM57 - Process

Emission Source/Control: CLM58 - Process

Emission Source/Control: CLM59 - Process

Emission Source/Control: CLM60 - Process

Emission Source/Control: CLM61 - Process

Emission Source/Control: CLM62 - Process

Emission Source/Control: CLM63 - Process

Emission Source/Control: CLM64 - Process

Emission Source/Control: CLM65 - Process

Emission Source/Control: CLM66 - Process

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Emission Source/Control: CLM67 - Process

Item 58.18(From Mod 2):

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

Emission Unit: G-MMOLD

Process: FMM

Source Classification Code: 3-04-050-99

Process End Date: 1/10/2003

Process Description:

This process consists of Facility Mold Machines #1 through #8 and Foam Tie-Bar Cutter #1. There are no requirements applicable to the sources in this process. The sources in this process are insignificant activities per 6 NYCRR 201-6.3(d)(7).

Emission Source/Control: FMM01 - Process

Emission Source/Control: FMM02 - Process

Emission Source/Control: FMM03 - Process

Emission Source/Control: FMM04 - Process

Emission Source/Control: FMM05 - Process

Emission Source/Control: FMM06 - Process

Emission Source/Control: FMM07 - Process

Emission Source/Control: FMM08 - Process

Emission Source/Control: FMM09 - Process

Emission Source/Control: FMM10 - Process

Item 58.19(From Mod 3):

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- #8.

Emission Source/Control: FTC01 - Process

Emission Source/Control: FTC02 - Process



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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

Emission Source/Control: FTC08 - Process

Item 58.20(From Mod 3):

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 9D-12D and 17D-24D, HVC Line #2 Pattern Cluster Assembly Machine (EP 00071), HVC Line Drying Ovens #1-3 (EP00103, 00104 and 00108), HVC Line Mold Drying Oven, HVC Line 2.2L Drying Oven, HVC Line Aging Ovens #1-3 (EP00105, 00106, 00107), HVC Line Pattern Aging Ovens (EP 00069 and 00070), and HVC Line Prototype Part Development Drying Oven (EP00109).

Emission Source/Control: HLM01 - Process

Emission Source/Control: HLM02 - Process

Emission Source/Control: HLM03 - Process

Emission Source/Control: HLM04 - Process

Emission Source/Control: HLM05 - Process

Emission Source/Control: HLM06 - Process

Emission Source/Control: HLM07 - Process

Emission Source/Control: HLM08 - Process



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Emission Source/Control: HLM09 - Process

Emission Source/Control: HLM10 - Process

Emission Source/Control: HLM11 - Process

Emission Source/Control: HLM12 - Process

Emission Source/Control: HLM13 - Process

Condition 61: Compliance Certification
Effective between the dates of 06/18/2001 and 06/18/2006

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

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-GMFAC

Process: PWR

Item 61.2:

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%.

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: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 69: EPA Region 2 address.
Effective between the dates of 06/18/2001 and 06/18/2006

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 69.1:

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

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Item 69.2:

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

be submitted to the
permit) and to the

following address:

NYSDEC
Bureau of Enforcement and Compliance Assurance
625 Broadway
Albany, NY 12233-3254

**Condition 62: Date of construction notification.
Effective between the dates of 06/18/2001 and 06/18/2006**

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

Item 62.1:

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

Item 62.2:

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

and no later than 30

days after such date;

within 60 days not less

than 30 days prior to such date;

30 days after such date;

and may increase the

emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted

before the change is

commenced and shall include information describing the precise nature of the change, present and

after the change, and

the expected completion date of the change. The Administrator may request additional information

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regarding the change;

stem performance

commences, post marked not less than 30 days prior to such date;

st marked not less

than 30 days prior to such date; and

used to determine

arked not less than

30 days prior to the performance test.

Condition 63: Recordkeeping requirements.

Effective between the dates of 06/18/2001 and 06/18/2006

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

Item 63.1:

This Condition applies to Emission Unit: 1-GMFAC

Process: PWR

Emission Source: PWR02

Item 63.2:

Affected owners or operators shall maintain records of occurrence and duration of any startup,

of the air pollution

onitoring device is

inoperative.

Condition 64: Availability of information.

Effective between the dates of 06/18/2001 and 06/18/2006

Applicable Federal Requirement: 40CFR 60.9, NSPS Subpart A

Item 64.1:

This Condition applies to Emission Unit: 1-GMFAC

Process: PWR

Emission Source: PWR02

Item 64.2:

the Administrator

under this part shall be governed by part 2 of this chapter.

Condition 65: Circumvention.

Effective between the dates of 06/18/2001 and 06/18/2006

Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A

Item 65.1:

This Condition applies to Emission Unit: 1-GMFAC



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Process: PWR

Emission Source: PWR02

Item 65.2:

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

not limited to, the standard which is

based on the concentration of a pollutant in the gases discharged to the atmosphere.

Condition 66: Modifications.

Effective between the dates of 06/18/2001 and 06/18/2006

Applicable Federal Requirement: 40CFR 60.14, NSPS Subpart A

Item 66.1:

This Condition applies to Emission Unit: 1-GMFAC

Process: PWR

Emission Source: PWR02

Item 66.2:

in section 60.14),

compliance with the applicable standards must be achieved.

Condition 67: Compliance Certification

Effective between the dates of 06/18/2001 and 06/18/2006

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

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-GMFAC

Process: PWR

Emission Source: PWR02

Item 67.2:

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.



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(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 3-22: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

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

Replaces Condition(s) 68

Item 3-22.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-GMFAC

Process: PWR

Emission Source: PWR02

Item 3-22.2:

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 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3-23: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Replaces Condition(s) 1-6

Item 3-23.1:

The Compliance Certification activity will be performed for:

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Emission Unit: G-MCAST

Process: CL1

Regulated Contaminant(s):

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

Item 3-23.2:

Compliance Certification shall include the following monitoring:

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 annually.

Reference Test Method: EPA method 201/202

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3-24: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Item 3-24.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST

Process: CL1

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 3-24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



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Facility DEC ID: 6405800004

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 annually.

Reference Test Method: EPA method 25

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3-25: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Item 3-25.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST

Process: CL1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 3-25.2:

Compliance Certification shall include the following monitoring:

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 annually.

Reference Test Method: EPA method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY



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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: 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 annually.

Reference Test Method: EPA method 201/202

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3-27: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Item 3-27.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST

Process: CL2

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 3-27.2:

Compliance Certification shall include the following monitoring:

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 annually.

Reference Test Method: EPA method 25

Monitoring Frequency: AS REQUIRED - SEE MONITORING



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DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3-28: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Item 3-28.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST

Process: CL2

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 3-28.2:

Compliance Certification shall include the following monitoring:

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 annually.

Reference Test Method: EPA method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3-29: 212.11 (b) Sampling & Monitoring of Units Controlled with Catalytic Incinerators

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 212.11

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Replaces Condition(s) 83

Item 3-29.1:

This Condition applies to Emission Unit: G-MCAST
Process: CL2 Emission Source: CL201

Item 3-29.2:

all equipment must
1995. Continuous
is operating except
monitoring methods

during any quality assurance and routing maintenance activities. Each monitor must be operated
may be explored subject to Department approval.

(1) The exhaust gas temperature must be monitored from thermal or catalytic incinerators.

(2) The Temperature rise across catalytic incinerator beds must be monitored.

(5) Other parameters must be monitored if required by conditions on the permit to
construct or certificate to operate for the source.

Condition 3-30: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Item 3-30.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST
Process: CL3

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

Item 3-30.2:

Compliance Certification shall include the following monitoring:

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 annually.



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Permit ID: 6-4058-00004/00135

Facility DEC ID: 6405800004

Reference Test Method: EPA method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3-31: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Item 3-31.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST

Process: CL3

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 3-31.2:

Compliance Certification shall include the following monitoring:

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 annually.

Reference Test Method: EPA method 25

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3-32: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006



New York State Department of Environmental Conservation

Permit ID: 6-4058-00004/00135

Facility DEC ID: 6405800004

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Replaces Condition(s) 1-13

Item 3-32.1:

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 3-32.2:

Compliance Certification shall include the following monitoring:

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 annually.

Reference Test Method: EPA method 201/202

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 4-2: 212.11 (b) Sampling & Monitoring of Units Controlled with Catalytic Incinerators

Effective between the dates of 06/16/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 212.11

Item 4-2.1:

This Condition applies to Emission Unit: G-MCAST

Process: CL3

Emission Source: CL301

Item 4-2.2:

all equipment must
1995. Continuous
is operating except

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Facility DEC ID: 6405800004



monitoring methods during any quality assurance and routing maintenance activities. Each monitor must be operated may be explored subject to Department approval.

(1) The exhaust gas temperature must be monitored from thermal or catalytic incinerators.

(2) The Temperature rise across catalytic incinerator beds must be monitored.

(5) Other parameters must be monitored if required by conditions on the permit to construct or certificate to operate for the source.

Condition 3-33: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Replaces Condition(s) 1-18

Item 3-33.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST

Process: CL4

Regulated Contaminant(s):

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

Item 3-33.2:

Compliance Certification shall include the following monitoring:

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 annually.

Reference Test Method: EPA method 201/202

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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



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Condition 3-34: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Item 3-34.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST

Process: CL4

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 3-34.2:

Compliance Certification shall include the following monitoring:

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 annually.

Reference Test Method: EPA method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3-35: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Item 3-35.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST

Process: CL4

Regulated Contaminant(s):



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Permit ID: 6-4058-00004/00135

Facility DEC ID: 6405800004

CAS No: 0NY998-00-0 VOC

Item 3-35.2:

Compliance Certification shall include the following monitoring:

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

Reference Test Method: EPA method 25

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 4-3: 212.11 (b) Sampling & Monitoring of Units Controlled with Catalytic Incinerators
Effective between the dates of 06/16/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 212.11

Item 4-3.1:

This Condition applies to Emission Unit: G-MCAST

Process: CL4

Emission Source: CL401

Item 4-3.2:

all equipment must

be in compliance with

1995. Continuous

operation is required

at all times except

during any quality assurance and routing maintenance activities. Each monitor must be operated

according to the

monitoring methods

specified in the permit.

during any quality assurance and routing maintenance activities. Each monitor must be operated

according to the monitoring methods specified in the permit.

(1) The exhaust gas temperature must be monitored from thermal or catalytic incinerators.

(2) The Temperature rise across catalytic incinerator beds must be monitored.

(5) Other parameters must be monitored if required by conditions on the permit to construct or certificate to operate for the source.



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Condition 3-36: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Item 3-36.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST

Process: CL5

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 3-36.2:

Compliance Certification shall include the following monitoring:

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 annually.

Reference Test Method: EPA method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3-37: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Item 3-37.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-MCAST

Process: CL5



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Permit ID: 6-4058-00004/00135

Facility DEC ID: 6405800004

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 3-37.2:

Compliance Certification shall include the following monitoring:

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 annually.

Reference Test Method: EPA method 25

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 3-38: Compliance Certification

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Replaces Condition(s) 1-20

Item 3-38.1:

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 3-38.2:

Compliance Certification shall include the following monitoring:

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

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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 annually.

Reference Test Method: EPA method 201/202
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2003.
Subsequent reports are due every 12 calendar month(s).

**Condition 4-4: 212.11 (b) Sampling & Monitoring of Units Controlled with Catalytic Incinerators
Effective between the dates of 06/16/2003 and 06/18/2006**

Applicable Federal Requirement: 6NYCRR 212.11

Item 4-4.1:

This Condition applies to Emission Unit: G-MCAST
Process: CL5 Emission Source: CL501

Item 4-4.2:

all equipment must
1995. Continuous
is operating except
monitoring methods

during any quality assurance and routing maintenance activities. Each monitor must be operated
may be explored subject to Department approval.

- (1) The exhaust gas temperature must be monitored from thermal or catalytic incinerators.
- (2) The Temperature rise across catalytic incinerator beds must be monitored.
- (5) Other parameters must be monitored if required by conditions on the permit to construct or certificate to operate for the source.

**Condition 4-5: 212.11 (b) Sampling & Monitoring of Units Controlled with Catalytic Incinerators
Effective between the dates of 06/16/2003 and 06/18/2006**

Applicable Federal Requirement: 6NYCRR 212.11

Item 4-5.1:

This Condition applies to Emission Unit: G-MCAST
Process: HVC Emission Source: HVC06

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Permit ID: 6-4058-00004/00135

Facility DEC ID: 6405800004



Item 4-5.2:

all equipment must
1995. Continuous
be operating except
monitoring methods

during any quality assurance and routing maintenance activities. Each monitor must be operated
may be explored subject to Department approval.

(1) The exhaust gas temperature must be monitored from thermal or catalytic incinerators.

(2) The Temperature rise across catalytic incinerator beds must be monitored.

(5) Other parameters must be monitored if required by conditions on the permit to
construct or certificate to operate for the source.

**Condition 4-6: 212.11 (b) Sampling & Monitoring of Units Controlled with
Catalytic Incinerators
Effective between the dates of 06/16/2003 and 06/18/2006**

Applicable Federal Requirement: 6NYCRR 212.11

Item 4-6.1:

This Condition applies to Emission Unit: G-MCAST
Process: HVC Emission Source: HVC07

Item 4-6.2:

all equipment must
1995. Continuous
be operating except
monitoring methods

during any quality assurance and routing maintenance activities. Each monitor must be operated
may be explored subject to Department approval.

(1) The exhaust gas temperature must be monitored from thermal or catalytic incinerators.

(2) The Temperature rise across catalytic incinerator beds must be monitored.

(5) Other parameters must be monitored if required by conditions on the permit to
construct or certificate to operate for the source.

**Condition 3-39: Compliance Certification
Effective between the dates of 03/31/2003 and 06/18/2006**

Applicable Federal Requirement: 6NYCRR 201-7.2(a)

Item 3-39.1:

The Compliance Certification activity will be performed for:

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Facility DEC ID: 6405800004



Emission Unit: G-MCAST

Process: HVC

Emission Source: HVC10

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

CAS No: 0NY998-00-0 VOC

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

Item 3-39.2:

Compliance Certification shall include the following monitoring:

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 and VOC emissions are limited to 1.0 tons per year. PM-10 emissions are limited to 5.0 tons per year. HVC10 cooler/classifier will replace HVC08. When construction begins, GM will notify the Department in order to show HVC08 has been shut down. Emission testing will be completed once during the term of the permit to show compliance with the emission limits.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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 only enforceable and are not subject to annual compliance certification requirements for Title V permits.

Condition 2-6: Contaminant List
Effective between the dates of 06/06/2002 and 06/18/2006

Applicable State Requirement: ECL 19-0301.

Item 2-6.1:

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



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Permit ID: 6-4058-00004/00135

Facility DEC ID: 6405800004

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 2-7: Unavoidable noncompliance and violations
Effective between the dates of 06/06/2002 and 06/18/2006

Applicable State Requirement: 6NYCRR 201-1.4

Item 2-7.1:

Standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be during 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 exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's of a permit issued this permit which ent, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is not submit reports er's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR r shall report such g normal working hours, but in any event not later than two working days after becoming aware that the malfunction

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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

elsewhere in this

requirements more stringent

than those above.

(c) The Department may also require the owner and/or operator to include in reports described

each air contaminant

malfunction and the air

contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in

operator shall take

measurable ambient air

quality, shall be

subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or

any other federal

regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 142: Air pollution prohibited

Effective between the dates of 06/18/2001 and 06/18/2006

Applicable State Requirement: 6NYCRR 211.2

Item 142.1:

in excess of such quantity,

or property, or which

constitutes 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 3-40: Compliance Demonstration

Effective between the dates of 03/31/2003 and 06/18/2006

Applicable State Requirement: 6NYCRR 212.4(a)

Replaces Condition(s) 1-31, 1-41, 1-42, 1-43, 1-44, 1-45, 1-47

Item 3-40.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: G-MCAST

Process: CL1

Emission Source: CL101



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Permit ID: 6-4058-00004/00135

Facility DEC ID: 6405800004

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 3-40.2:

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 "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

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"interlocked" during periods of startup 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 upon written request from the department 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 MONITORING DESCRIPTION

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

**Condition 143: Absbestos containing surface coatings prohibited
Effective between the dates of 06/18/2001 and 06/18/2006**

Applicable State Requirement: 6NYCRR 221.2

Item 143.1:

bestos-containing materials.