

**New York State Department of Environmental Conservation  
Facility DEC ID: 7503200017**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 7-5032-00017/00063  
Effective Date: 10/15/2001 Expiration Date: 10/15/2006

Permit Issued To: BORG WARNER MORSE TEC INC  
800 WARREN RD  
ITHACA, NY 14850

Facility: BORG WARNER MORSE TEC INC  
800 WARREN RD  
ITHACA, NY 14850

MICHAEL KUBAREK  
BORG WARNER MORSE TEC INC  
800 WARREN ROAD  
ITHACA, NY 14850  
(607) 257-6700

Description:  
Borg-Warner Automotive Transmission and Engine Components Corporation manufactures automotive timing chains and automotive gears. The process involves heating and cooling of metal pieces to impart physical characteristics to the metal. The facility is a major source of carbon monoxide, which is emitted from test engines.

Permit Applicability: Facility is subject to the following regulations: 6 NYCRR Part 200, Part 201, Part 202, Part 211, Part 212, Part 215, Part 226, Part 227, and 40 CFR Part 82.

Capping: Yes.

Enforcement: No.

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: MICHAEL K BARYLSKI  
DIVISION OF ENVIRONMENTAL PERMITS  
1285 FISHER AVE  
CORTLAND, NY 13045-1090

FINAL

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 7503200017**



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**

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

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 7  
SUBOFFICE



**DEC GENERAL CONDITIONS**

**\*\*\*\* General Provisions \*\*\*\***

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

**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

**Condition 1: Facility Inspection by the Department**  
**Applicable State Requirement: ECL 19-0305**

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**  
**Applicable State Requirement: ECL 3-0301.2(m)**

**Item 2.1:**

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

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

**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 4: Permit Modifications, Suspensions, and Revocations by the Department**



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**Applicable State Requirement: 6NYCRR 621.14**

**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 described in the application 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.

**Condition 5: Permit Modifications, Suspensions, and Revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.14**

**Item 5.1:**

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

**Item 6.1:**

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator  
Region 7 Sub-office  
Division of Environmental Permits  
1285 Fisher Avenue  
Cortland, NY 13045-1090  
(607) 753-3095

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

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

**IDENTIFICATION INFORMATION**

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800 WARREN RD  
ITHACA, NY 14850

Facility: BORG WARNER MORSE TEC INC  
800 WARREN RD  
ITHACA, NY 14850

Authorized Activity By Standard Industrial Classification Code:  
3714 - MOTOR VEHICLE PARTS &



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1 6NYCRR 200.5: Sealing
- 2 6NYCRR 200.6: Acceptable ambient air quality
- 3 6NYCRR 200.7: Maintenance of equipment
- 4 6NYCRR 201-1.2: Unpermitted Emission Sources
- 5 6NYCRR 201-1.4: Unavoidable Noncompliance and Violations
- 6 6NYCRR 201-1.5: Emergency Defense
- 7 6NYCRR 201-1.7: Recycling and Salvage
- 8 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the Air
- 9 6NYCRR 201-1.10(b): Public Access to Recordkeeping for Title V facilities
- 10 6NYCRR 201-3.2(a): Proof of Eligibility
- 11 6NYCRR 201-3.3(a): Proof of Eligibility
- 12 6NYCRR 201-6: Applicable Criteria, Limits, Terms, Conditions and Standards
- 13 6NYCRR 201-6: Cessation or Reduction of Permitted Activity Not a Defense
- 14 6NYCRR 201-6: Compliance Requirements
- 15 6NYCRR 201-6: Federally-Enforceable Requirements
- 16 6NYCRR 201-6: Fees
- 17 6NYCRR 201-6: Monitoring, Related Recordkeeping and Reporting Requirements
- 18 6NYCRR 201-6: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements
- 19 6NYCRR 201-6: Permit Shield
- 20 6NYCRR 201-6: Property Rights
- 21 6NYCRR 201-6: Reopening for Cause
- 22 6NYCRR 201-6: Right to Inspect
- 23 6NYCRR 201-6: Severability
- 24 6NYCRR 201-6: Emission Unit Definition
- 25 6NYCRR 201-6.1(a): Facility Permissible Emissions
- \*26 6NYCRR 201-6.1(a): Compliance Certification
- 27 6NYCRR 201-6.5(c)(3): Compliance Certification
- 28 6NYCRR 201-6.5(e): Compliance Certification
- 29 6NYCRR 201-6.5(f): Compliance Certification
- 30 6NYCRR 201-6.5(g): Permit Exclusion Provisions
- 31 6NYCRR 202-1.1: Required emissions tests
- 32 6NYCRR 202-2.1: Compliance Certification
- 33 6NYCRR 202-2.5: Recordkeeping requirements
- 34 6NYCRR 211.3: Visible emissions limited.
- 35 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 36 6NYCRR 226: Equipment Specifications for Cold Cleaning Batch Degreasing



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- 37 6NYCRR 227-1.3(a): Compliance Certification
  - 38 6NYCRR 228.5(h): Compliance Certification
  - 39 40CFR 52.21, Subpart A: Facility Permissible Emissions
  - \*40 40CFR 52.21, Subpart A: Compliance Certification
  - 41 40CFR 82, Subpart F: Recycling and Emissions Reduction
- Emission Unit Level**
- 42 6NYCRR 201-6: Emission Point Definition By Emission Unit
  - 43 6NYCRR 201-6: Process Definition By Emission Unit

**EU=5-00000,Proc=500**

- 44 6NYCRR 212.4(a): Compliance Certification
- 45 6NYCRR 212.6(a): Compliance Certification

**EU=5-10000,Proc=510**

- 46 6NYCRR 212.4(a): Compliance Certification
- 47 6NYCRR 212.6(a): Compliance Certification

**EU=5-20000,Proc=520**

- 48 6NYCRR 212.4(a): Compliance Certification
- 49 6NYCRR 212.6(a): Compliance Certification

**EU=5-30000,Proc=530**

- 50 6NYCRR 212.4(a): Compliance Certification
- 51 6NYCRR 212.6(a): Compliance Certification

**EU=5-50000,Proc=550**

- 52 6NYCRR 212.4(a): Compliance Certification
- 53 6NYCRR 212.6(a): Compliance Certification

**EU=5-70000,Proc=570**

- 54 6NYCRR 212.6(a): Compliance Certification

**EU=5-70000,Proc=570,ES=0057A**

- 55 6NYCRR 212.4(c): Compliance Certification

**EU=5-80000**

- 56 6NYCRR 212.4(a): Compliance Certification
- 57 6NYCRR 212.4(c): Compliance Certification

**EU=5-80000,EP=58000**

- 58 6NYCRR 212.6(a): Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 59 6NYCRR 201-5: General Provisions
- 60 6NYCRR 201-5.3(b): Contaminant List



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61 6NYCRR 211.2: Air pollution prohibited

NOTE: \* preceding the condition number indicates capping.ACCESSORIES

Permit Effective Date: 10/15/2001

Permit Expiration Date: 10/15/2006



**FEDERALLY ENFORCEABLE CONDITIONS**

**\*\*\*\* Facility Level \*\*\*\***

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

**Condition 1: Sealing**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

**Applicable Federal Requirement: 6NYCRR 200.5**

**Item 1.1:**

(a) 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 labelling 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.

(b) 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.

(c) Unless authorized by the commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section

**Condition 2: Acceptable ambient air quality**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

**Applicable Federal Requirement: 6NYCRR 200.6**

**Item 2.1:**

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

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT**



**TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**

**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]**

**Condition 3: Maintenance of equipment**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

**Applicable Federal Requirement: 6NYCRR 200.7**

**Item 3.1:**

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

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

**Condition 4: Unpermitted Emission Sources**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

**Applicable Federal Requirement: 6NYCRR 201-1.2**

**Item 4.1:**

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.

**Condition 5: Unavoidable Noncompliance and Violations**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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



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**Item 5.1:**

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit or certificate issued for the corresponding air contamination source. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

**Condition 6: Emergency Defense**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

**Applicable Federal Requirement: 6NYCRR 201-1.5**

**Item 6.1:**

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.



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

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

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

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

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

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

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

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

**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]**

**Condition 7: Recycling and Salvage**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 7.1:**

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

**Condition 8: Prohibition of Reintroduction of Collected Contaminants to the Air**  
**Effective between the dates of 10/15/2001 and 10/15/2006**



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**Applicable Federal Requirement: 6NYCRR 201-1.8**

**Item 8.1:**

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

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

**Condition 9: Public Access to Recordkeeping for Title V facilities  
Effective between the dates of 10/15/2001 and 10/15/2006**

**Applicable Federal Requirement: 6NYCRR 201-1.10(b)**

**Item 9.1:**

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.

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

**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]**

**Condition 10: Proof of Eligibility  
Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 10.1:**

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 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



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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.

**Condition 11: Proof of Eligibility**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 11.1:**

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.

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

**Condition 12: Applicable Criteria, Limits, Terms, Conditions and Standards**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 12.1:**

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

- i. Any reporting requirements and operations under an accidental release plan, response plan, and compliance plan as approved as of the date of the permit issuance, or
- ii. Any support documents submitted as a part of the permit application for this facility as accepted and approved as of the date of permit issuance.

Any noncompliance with the federally-enforceable portions of this permit constitutes a violation of the federal Clean Air Act and will be grounds for enforcement action, for permit termination, revocation and reissuance, or modification, or for denial of a permit renewal application.

**Item 12.2:**

Any document, including reports, required by the federally-enforceable portions of this permit shall



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contain a certification by the responsible official for this facility as set forth in Section 201-6.3 that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

**Condition 13: Cessation or Reduction of Permitted Activity Not a Defense  
Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 13.1:**

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.

**Condition 14: Compliance Requirements  
Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 14.1:**

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

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

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

**Item 14.2:**

The permittee shall comply with the approved compliance schedule for this permit if such a schedule is a part of this permit. Risk management plans must be submitted to the Administrator if required by Section 112(r) of the Clean Air Act for this facility.

**Item 14.3:**

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



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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.

**Condition 15: Federally-Enforceable Requirements**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 15.1:**

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.

**Condition 16: Fees**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 16.1:**

The permittee shall pay the required fees associated with this permit.

**Condition 17: Monitoring, Related Recordkeeping and Reporting Requirements**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 17.1:**

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

**Condition 18: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 18.1:**

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 relieve the permittee from the requirement to comply with any condition contained in this permit.

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.

**Condition 19: Permit Shield**

**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 19.1:**

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

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

**Condition 20: Property Rights**



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**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 20.1:**

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

**Condition 21: Reopening for Cause**

**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 21.1:**

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.

**Item 21.2:**

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.

**Item 21.3:**

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

**Condition 22: Right to Inspect**

**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 22.1:**



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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 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.

**Condition 23: Severability**

**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 23.1:**

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.

**Condition 24: Emission Unit Definition**

**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 24.1:**

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

Emission Unit: 5-00000

Emission Unit Description:

THIS EMISSION UNIT IS ASSOCIATED WITH TEMPER DRAWS WHICH ARE MANIFOLDED TOGETHER WITH EXEMPT WASH OPERATIONS PURSUANT TO 6 NYCRR PART 201-3.2(c)(39)(3). TEMPER DRAWS WOULD NORMALLY ONLY EMIT PRODUCTS OF COMBUSTION AND THEREFORE WOULD BE EXEMPT PURSUANT TO 6 NYCRR PART 201-3.2(c)(1). HOWEVER, WHEN THEY ARE MANIFOLDED WITH A WASH OPERATION THEY MAY CREATE AN EMISSION OF OIL MIST RESULTING FROM QUENCH OIL WHICH IS NOT COMPLETELY CLEANED OFF IN THE WASH PROCESS AND WHICH VOLATILIZES IN THE TEMPER OPERATION, CONDENSES IN THE STACK AND IS THEN EMITTED. THE ASSOCIATED PROCESS IS

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IDENTIFIED AS 500 AND IS DESCRIBED IN THE  
PROCESS DESCRIPTION SECTION OF THIS  
PERMIT.

Building(s): 02

**Item 24.2:**

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

Emission Unit: 5-10000

Emission Unit Description:

THIS EMISSION UNIT IS ASSOCIATED WITH THE  
ROTARY BATCH PIN LINE QUENCH CONVEYOR  
EXHAUSTS FROM BOTH NO. 31 & NO. 32. THIS  
UNIT IS COMPRISED OF EMISSION POINT 51000,  
WHICH IS LOCATED IN THE HEAT TREAT AREA OF  
PLANT NO. 2. THE ASSOCIATED PROCESS IS  
IDENTIFIED AS 510 AND IS DESCRIBED IN THE  
PROCESS INFORMATION DESCRIPTION SECTION OF  
THIS PERMIT.

Building(s): 02

**Item 24.3:**

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

Emission Unit: 5-20000

Emission Unit Description:

THIS EMISSION UNIT IS ASSOCIATED WITH THE  
QUENCHING OPERATIONS ON THE AGF LINES  
LOCATED IN PLANT NO. 2. THE ASSOCIATED  
PROCESS IS IDENTIFIED AS 520 AND IS  
DESCRIBED IN THE PROCESS DESCRIPTION  
SECTION OF THIS PERMIT.

Building(s): 02

**Item 24.4:**

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

Emission Unit: 5-30000

Emission Unit Description:

THIS EMISSION UNIT IS ASSOCIATED WITH THE  
INDUCTION HARDENER PROCESS WHICH USES  
QUENCHANT SOLUTION. THIS UNIT COMPRISES ALL  
INDUCTION HARDENERS LOCATED IN PLANT NO. 1.  
THE ASSOCIATED PROCESS IS IDENTIFIED AS 530  
AND IS DESCRIBED IN DETAIL IN THE PROCESS  
DESCRIPTION SECTION OF THIS PERMIT.

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Building(s): 01

**Item 24.5:**

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

Emission Unit: 5-40000

Emission Unit Description:

THIS EMISSIONS UNIT CONSISTS OF A DOW PRODUCT COATING LINE. THERE ARE TWO PROCESSES ASSOCIATED WITH THIS COATING LINE, RUST PREVENTATIVE APPLICATION (540), AND DOT APPLICATION (541). THESE TWO PROCESSES ARE DESCRIBED IN THE PROCESS DESCRIPTION SECTION OF THIS PERMIT. THERE IS ONE EMISSIONS SOURCE (THE DOW COATING LINE) AND ONE EMISSION POINT.

Building(s): 01

**Item 24.6:**

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

Emission Unit: 5-50000

Emission Unit Description:

THIS UNIT CONSISTS OF METAL SINTERING FURNACES AND IS ASSOCIATED WITH PROCESS 550 WHICH IS DESCRIBED IN DETAIL IN THE PROCESS INFORMATION SECTION OF THIS PERMIT.

Building(s): 01

**Item 24.7:**

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

Emission Unit: 5-70000

Emission Unit Description:

THIS UNIT CONSISTS OF PROGRAMMABLE TOOL ROOM GRINDERS AND IS ASSOCIATED WITH PROCESS 570 WHICH IS DESCRIBED IN DETAIL IN THE PROCESS INFORMATION SECTION OF THIS PERMIT. THERE ARE VARIOUS OTHER MACHINING OPERATIONS ASSOCIATED WITH THIS AREA THAT ARE CLASSIFIED AS EITHER EXEMPT OR TRIVIAL PURSUANT TO 6 NYCRR PART 201-3.

Building(s): 02

**Item 24.8:**

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

Emission Unit: 5-80000



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**Emission Unit Description:**

The N2 Process is a heat treatment operation that uses Nitrogen and Argon gas to dry metal powder and pins. The exhaust passes through a particulate filter and an oil bath. Emissions will consist of liquid particulates and solid particulates. The process also includes an exempt combustion source that exhausts through a dedicated, separate emission point.

**Item 24.9:**

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

Emission Unit: 5-90000

**Emission Unit Description:**

This emissions unit consists of a 1200 hp engine test facility used in research and development.

**Condition 25: Facility Permissible Emissions**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.1(a)**

**Item 25.1:**

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

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

CAS No: 0NY210-00-0                      PTE: 190,000 pounds per year  
Name: OXIDES OF NITROGEN

**Condition 26: Compliance Certification**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.1(a)**

**Item 26.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 26.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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BORG-WARNER IS LIMITING NOX EMISSIONS TO LESS THAN 100 TONS/YEAR, AND IS THUS NOT SUBJECT TO NOX RACT.

TOTAL ACTUAL EMISSIONS OF NOX WILL REMAIN BELOW 95 TONS/YEAR ON A 12 MONTH ROLLING BASIS.

PROVIDED THAT ACTUAL ANNUAL EMISSIONS ARE LESS THAN 50 TONS PER YEAR FOR EACH 12 MONTH ROLLING PERIOD, EMISSIONS WILL BE CALCULATED UTILIZING THE FOLLOWING EMISSIONS FACTORS: FOR NATURAL GAS COMBUSTION IN STATIONARY COMBUSTION INSTALLATIONS, 100 LB NOX/MILLION CUBIC FEET; FOR NATURAL GAS USE IN EMERGENCY GENERATORS, 0.018 LB NOX/HP-H; FOR PROPANE USE IN STATIONARY COMBUSTION INSTALLATIONS, 14 LBS NOX/1000 GALLONS; FOR GASOLINE USE IN TEST ENGINES, 1.63 LB NOX/MMBTU; AND FOR DIESEL USE IN TEST ENGINES, 4.41 LB/MMBTU. IF ANNUAL EMISSIONS, CALCULATED USING THESE FACTORS, EXCEED 50 TONS/YEAR, THE USE OF THESE EMISSIONS FACTORS IS NOT ALLOWED, AND THE OWNER OR OPERATOR MUST CONDUCT EMISSIONS TESTING TO DOCUMENT UNIT-SPECIFIC EMISSIONS FACTORS.

BORG-WARNER MUST SUBMIT TO THIS AGENCY SEMIANNUALLY, ON A CALENDAR BASIS, EMISSIONS INFORMATION SHOWING THAT NOX EMISSIONS HAVE NOT EXCEEDED THE EMISSIONS CAP FOR EACH PRIOR 12 MONTH ROLLING ANNUAL PERIOD. IF NOX EMISSIONS EXCEED THE CAP AT ANY TIME, BORG-WARNER SHALL SUBMIT TO THE DEPARTMENT A NOTICE OF SUCH EXCESS EMISSIONS WITHIN 30 DAYS OF SUCH EXCESS EMISSION. IF EMISSIONS EXCEED 50 TONS/YR FOR ANY ROLLING 12 MONTH PERIOD, BORG-WARNER MUST SUBMIT TO THE DEPARTMENT A NOTICE OF SUCH EMISSIONS AND A PROTOCOL FOR DEVELOPING UNIT-SPECIFIC EMISSION FACTORS THROUGH TESTING.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.  
The initial report is due 1/30/2002.  
Subsequent reports are due every 6 calendar month(s).

**Condition 27: Compliance Certification**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 27.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 27.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as

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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.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2002.  
Subsequent reports are due every 6 calendar month(s).

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

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

**Condition 28: Compliance Certification**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 28.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 28.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance certifications shall contain the following information:

- 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

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specified in any special permit terms or conditions;  
and  
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

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

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:

Region 7 Suboffice  
1679 NY Route 11  
Kirkwood, NY 13795-9772

The address for the BCME is as follows:

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

Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2002.

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Subsequent reports are due on the same day each year

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

**Condition 29: Compliance Certification**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 29.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 29.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operational Flexibility Protocol - New Construction of general process sources; modifications to existing sources

The owner or operator may install a new air contamination source that results in insignificant emissions, provided that criteria pollutants, hazardous air pollutants, and pollutants emitted from such device for which an annual guideline concentration (AGC) and/or short term guideline concentration (SGC) exist, meet all of the following conditions:

1. The device will not result in the emission of any A-rated contaminant with an emission rate potential equal to or greater than 1.0 pound/hr.
2. The device will not result in the emission of any non-VOC contaminant, not given an A-rating, with an emission rate potential equal to or greater than 10 pounds/hr.
3. The device shall not emit particulate matter in excess of 0.05 gr/dscf. The owner or operator shall conduct emissions testing upon written request of the DEC in

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accordance with 6 NYCRR 202.

4. The device shall not cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater, except only the emission of uncombined water. The owner or operator shall conduct emissions testing upon written request of the DEC in accordance with 6 NYCRR 202.

5. The owner or operator must identify all potential pollutants that could be emitted, including A-rated contaminants, hazardous air pollutants, VOCs, and non-VOC pollutants. A-rated contaminants are those contaminants listed with a "high" toxicity in the Department's most recent DAR-1 (Air Guide 1) guidance document, and any other contaminants that may be A-rated by the Department.

6. A facility-wide DAR-1 (Air Guide 1) analysis must be completed using the DEC's Air Guide 1 screening software showing that there are no predicted off-site ambient concentrations in excess of the AGC or SGC for each contaminant. This analysis shall include all emissions of such pollutant, facility-wide.

7. If the installation results in the emission of any pollutant not previously authorized or emitted in accordance with this permit, the owner or operator shall submit to the DEC a notice of the intention to install the new air contamination source. Such notice shall be submitted no later than 30 days prior to the proposed installation.

8. When a new emission point, emission source and/or process is proposed to be added, the owner or operator must submit to DEC an application using the format prescribed by DEC (on forms available from the DEC).

9. The DEC reserves the right to require a permit modification to impose special conditions if DEC determines the proposed change may have a significant air quality impact. In such cases, upon receipt of any notice submitted by the owner or operator to the DEC as required in this permit, the DEC will respond within 15 days of receipt of such notice, and may require that the owner not undertake the proposed change without a permit modification.

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10. No facility-wide emissions cap, stated in this permit, shall be exceeded.

11. The installation does not render the facility subject to any additional regulations or requirements; and

12. A summary of all activities conducted under this operational flexibility condition shall be reported to the DEC in the facility's semi-annual monitoring report required pursuant to 6 NYCRR 201-6.5(c)(3). The annual compliance certifications required pursuant to 6 NYCRR 201-6.5(e) shall also include compliance certifications for all devices added pursuant to this condition since permit issuance.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2002.

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

**Condition 30: Permit Exclusion Provisions**

**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 30.1:**

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 currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant 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), and particularly any such enforcement action as may be authorized pursuant to 6 NYCRR 201-1.2 and 6 NYCRR 201-6.5(g).

The issuance of this permit by the Department and the receipt thereof by the Applicant does not supercede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements contained in such order or modification thereof unless specifically intended by this permit.

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 the right of the Department



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to bring any future action, or pursue any pending action, either administrative or judicial, to required remediation, contribution for costs incurred or funds expended, for any violations, past, present or future, known or unknown, of applicable federal law, the ECL, or the rules and regulations promulgated thereunder, or conditions contained in any other licenses or permits issued to the Applicant and not addressed in this permit.

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 the right of the Department to pursue any claims for natural resource damages against the Applicant.

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

**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]**

**Condition 31: Required emissions tests  
Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 31.1:**

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.

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

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

**Condition 32: Compliance Certification  
Effective between the dates of 10/15/2001 and 10/15/2006**

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



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**Item 32.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 32.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

**Condition 33: Recordkeeping requirements**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 33.1:**

(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.

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

**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]**

**Condition 34: Visible emissions limited.**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

**Applicable Federal Requirement: 6NYCRR 211.3**



**Item 34.1:**

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

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

**The following federally enforceable permit conditions are mandatory for all Title V permits**

**and are subject to annual compliance certification requirements at all times.**

**Condition 35: Open Fires Prohibited at Industrial and Commercial Sites  
Effective between the dates of 10/15/2001 and 10/15/2006**

**Applicable Federal Requirement: 6NYCRR 215**

**Item 35.1:**

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.

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

**Condition 36: Equipment Specifications for Cold Cleaning Batch  
Degreasing  
Effective between the dates of 10/15/2001 and 10/15/2006**

**Applicable Federal Requirement: 6NYCRR 226**

**Item 36.1:**

**A. Equipment specifications:**

1. A cover shall be provided which can be operated easily.
2. The drainage facility shall be internal (under cover), if practical.
3. A control system that limits VOC emissions to those achievable with equipment having a freeboard ratio greater than or equal to 0.7, or a water cover where the solvent is insoluble in and heavier than water, where the solvent being used has a vapor pressure greater than 33mm Hg at 38°C (100°F) or where the solvent is heated above 50°C (120°F)

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**B. Operating requirements:**

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

**C. General requirements:**

No person shall conduct solvent metal cleaning unless:

1. Solvent is stored in covered containers and waste solvent is transferred or disposed of in such a manner that less than 20 percent of the waste solvent (by weight) can evaporate into the atmosphere.
2. Equipment used in solvent metal cleaning is maintained to minimize leaks and fugitive emissions.
3. Equipment used in solvent metal cleaning displays a conspicuous summary of proper operating procedures consistent with minimizing emissions of volatile organic compounds.
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 37: Compliance Certification**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 37.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 37.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Borg-Warner operates many combustion installations at this facility that meet the criteria under 6 NYCRR 201-3.2. These devices are subject to the opacity limits of 227-1.3(a). No owner or operator of a combustion installation shall emit greater than 20 percent opacity (on a six minute average) except for one six minute period per hour, not to exceed 27 percent. Compliance shall be determined using the procedures in 40 CFR Part 60, Appendix A, Method 9.

Upon the request of the Department, the owner or operator shall conduct opacity observations and submit to the Department the results.

A report shall be submitted to the Department semiannually



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(calendar basis) stating whether any opacity observations were conducted. Reports shall be due 30 days after the end of each semiannual period.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2002.

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

**Condition 38: Compliance Certification**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

**Applicable Federal Requirement: 6NYCRR 228.5(h)**

**Item 38.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 38.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Borg Warner operates a Dow Product coating line that applies a rust inhibitor and paint. This is considered miscellaneous metal parts and products. This process is not subject to the control requirements of Part 228 because facility-wide VOC emissions, excluding VOC emissions from combustion sources, are less than 10 tons/yr.

Borg Warner shall maintain records of the calculations demonstrating that the potential to emit VOC (excluding VOC emissions resulting from combustion) is less than 10 TPY. Such calculations shall be updated, on a calendar year basis, or whenever VOC-emitting equipment is installed at the facility. Borg-Warner shall submit to



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the Department annually, on a calendar year basis, a statement whether facility-wide potential VOC emissions (excluding VOC emissions from combustion) exceed 10 tons per year.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 39: Facility Permissible Emissions**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 39.1:**

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

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

CAS No: 000630-08-0

PTE: 480,000 pounds per year

Name: CARBON MONOXIDE

**Condition 40: Compliance Certification**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 40.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 40.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Borg-Warner shall not emit in excess of 240 tons of CO per 12 month rolling period. Emissions will be calculated utilizing the following emission factors:

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for gasoline use in test engines: 24.3 lbs/MMBtu, except as provided below;

for diesel use in test engines: 0.85 lbs/MMBtu, except as provided below;

for natural gas combustion in stationary combustion installations: 21 pounds/million cubic feet;

for natural gas use in emergency generators: 1.16 lbs/MMBtu fuel input;

for propane use in stationary combustion installations: 1.9 lbs/1000 gallons;

for pre-sintering furnaces and electric veri-cooled furnaces: 5.7 lbs/hr operation.

Within 5 months of the effective date of this permit, Borg-Warner shall conduct emissions tests to determine the emissions rate of CO. Within 60 days of completion of the tests, Borg-Warner shall submit to DEC the results of the testing. Upon DEC written approval, the emissions factors computed from this testing shall be used to calculate annual emissions.

Borg-Warner must submit to the Department semiannually, on a calendar basis, emissions information showing that CO emissions have not exceeded the emissions cap for each prior 12 month rolling period. If CO emissions exceed the cap at any time, Borg-Warner shall submit to the Department a notice of such excess emissions within 30 days of such excess emission.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2002.

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

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



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**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]**

**Condition 41: Recycling and Emissions Reduction**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 41.1:**

The permittee shall comply with the standards for recycling and emissions reduction pursuant 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.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR Part 82.158.
- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR Part 82.161.
- d. Persons disposing of small appliances, MVAC's, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR Part 82.166. ("MVAC-like appliance as defined at 40 CFR Part 82.152)
- e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR Part 82.156.
- f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR Part 82.166.

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

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

**Condition 42: Emission Point Definition By Emission Unit**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 42.1:**

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

Emission Unit: 5-00000

Emission Point: 00003

Height (ft.): 33

Length (in.): 30

Width (in.): 24

NYTMN (km.): 4706.

NYTME (km.): 379.1

Building: 02

Emission Point: 00004

Height (ft.): 33

Length (in.): 42

Width (in.): 46

NYTMN (km.): 4706.

NYTME (km.): 379.1

Building: 02

Emission Point: 00005

Height (ft.): 33

Length (in.): 42

Width (in.): 46

NYTMN (km.): 4706.

NYTME (km.): 379.1

Building: 02

Emission Point: 00006

Height (ft.): 33

Length (in.): 30

Width (in.): 24

NYTMN (km.): 4706.

NYTME (km.): 379.1

Building: 02

Emission Point: 00010

Height (ft.): 38

Diameter (in.): 14

Building: 02

NYTMN (km.): 4706.

NYTME (km.): 379.1

Emission Point: 00015

Height (ft.): 32

Diameter (in.): 16

Building: 02

NYTMN (km.): 4706.

NYTME (km.): 379.1

Emission Point: 00016

Height (ft.): 32

Diameter (in.): 16

Building: 02

NYTMN (km.): 4706.

NYTME (km.): 379.1

**Item 42.2:**

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

Emission Unit: 5-10000

Emission Point: 51000

Height (ft.): 39

Length (in.): 26

Width (in.): 19

NYTMN (km.): 4706.

NYTME (km.): 379.1

Building: 02

**Item 42.3:**

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



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Emission Unit: 5-20000

Emission Point: 00031

|                    |                    |                 |
|--------------------|--------------------|-----------------|
| Height (ft.): 21   | Length (in.): 15   | Width (in.): 11 |
| NYTMN (km.): 4706. | NYTME (km.): 379.1 | Building: 02    |

Emission Point: 00032

|                    |                    |                 |
|--------------------|--------------------|-----------------|
| Height (ft.): 21   | Length (in.): 15   | Width (in.): 11 |
| NYTMN (km.): 4706. | NYTME (km.): 379.1 | Building: 02    |

Emission Point: 00033

|                    |                    |                 |
|--------------------|--------------------|-----------------|
| Height (ft.): 21   | Length (in.): 15   | Width (in.): 11 |
| NYTMN (km.): 4706. | NYTME (km.): 379.1 | Building: 02    |

Emission Point: 00034

|                    |                    |                 |
|--------------------|--------------------|-----------------|
| Height (ft.): 21   | Length (in.): 15   | Width (in.): 11 |
| NYTMN (km.): 4706. | NYTME (km.): 379.1 | Building: 02    |

Emission Point: 00035

|                    |                    |                 |
|--------------------|--------------------|-----------------|
| Height (ft.): 21   | Length (in.): 15   | Width (in.): 11 |
| NYTMN (km.): 4706. | NYTME (km.): 379.1 | Building: 02    |

Emission Point: 00036

|                    |                    |                 |
|--------------------|--------------------|-----------------|
| Height (ft.): 21   | Length (in.): 15   | Width (in.): 11 |
| NYTMN (km.): 4706. | NYTME (km.): 379.1 | Building: 02    |

Emission Point: 00060

|                  |                    |              |
|------------------|--------------------|--------------|
| Height (ft.): 38 | Diameter (in.): 12 | Building: 02 |
|------------------|--------------------|--------------|

Emission Point: 00061

|                  |                    |              |
|------------------|--------------------|--------------|
| Height (ft.): 38 | Diameter (in.): 12 | Building: 02 |
|------------------|--------------------|--------------|

Emission Point: 52000

|                    |                    |                 |
|--------------------|--------------------|-----------------|
| Height (ft.): 37   | Length (in.): 17   | Width (in.): 25 |
| NYTMN (km.): 4706. | NYTME (km.): 379.1 | Building: 02    |

**Item 42.4:**

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

Emission Unit: 5-30000

Emission Point: 5300A

|                    |                    |                 |
|--------------------|--------------------|-----------------|
| Height (ft.): 37   | Length (in.): 10   | Width (in.): 13 |
| NYTMN (km.): 4706. | NYTME (km.): 379.1 | Building: 01    |



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Emission Point: 5300B  
Height (ft.): 37 Length (in.): 6 Width (in.): 9  
NYTMN (km.): 4706. NYTME (km.): 379.1 Building: 01

Emission Point: 5300C  
Height (ft.): 35 Diameter (in.): 8  
NYTMN (km.): 4706. NYTME (km.): 379.1 Building: 01

**Item 42.5:**

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

Emission Unit: 5-40000

Emission Point: 5400A  
Height (ft.): 30 Diameter (in.): 6  
NYTMN (km.): 4706. NYTME (km.): 379.1 Building: 01

**Item 42.6:**

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

Emission Unit: 5-50000

Emission Point: 00046  
Height (ft.): 26 Diameter (in.): 12  
NYTMN (km.): 4706. NYTME (km.): 379.1 Building: 01

Emission Point: 00047  
Height (ft.): 26 Diameter (in.): 12  
NYTMN (km.): 4706. NYTME (km.): 379.1 Building: 01

Emission Point: 55000  
Height (ft.): 34 Diameter (in.): 12  
NYTMN (km.): 4706. NYTME (km.): 379.1 Building: 01

Emission Point: 5500A  
Height (ft.): 34 Diameter (in.): 14  
NYTMN (km.): 4706. NYTME (km.): 379.1 Building: 01

**Item 42.7:**

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

Emission Unit: 5-70000

Emission Point: 00011  
Height (ft.): 39 Length (in.): 24 Width (in.): 36  
NYTMN (km.): 4706. NYTME (km.): 379.1 Building: 02



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**Item 42.8:**

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

Emission Unit: 5-80000

Emission Point: 58000

Height (ft.): 37

Diameter (in.): 2

Building: 02

**Item 42.9:**

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

Emission Unit: 5-90000

Emission Point: 59000

Height (ft.): 26

Diameter (in.): 12

NYTMN (km.): 4706.

NYTME (km.): 379.1

Building: 02

Emission Point: 59100

Height (ft.): 19

Diameter (in.): 12

NYTMN (km.): 4706.

NYTME (km.): 379.1

Building: ITC

**Condition 43: Process Definition By Emission Unit**

**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 43.1:**

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

Emission Unit: 5-00000

Process: 500

Source Classification Code: 3-04-022-11

Process Description:

IN THIS PROCESS PARTS ARE HEAT TREATED  
WITH AN INTERNAL OIL QUENCHING OPERATION,  
WASHED AND THEN TEMPERED IN EITHER AN  
ELECTRIC OR GAS FIRED TEMPER DRAW.

Emission Source/Control: 0050C - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: 0050D - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: 0050E - Control

Control Type: MIST ELIMINATOR



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Emission Source/Control: 0050A - Process

Emission Source/Control: 0050B - Process

Emission Source/Control: 0050F - Process

Emission Source/Control: 15000 - Process

Emission Source/Control: 30000 - Process

Emission Source/Control: 40000 - Process

Emission Source/Control: 50000 - Process

Emission Source/Control: 60000 - Process

**Item 43.2:**

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

Emission Unit: 5-10000

Process: 510

Source Classification Code: 3-04-022-11

Process Description:

IN THIS PROCESS PARTS ARE HEATED ON AN  
INTERMITTENT BASIS WITH CYCLES RANGING UP  
TO SIX HOURS, WITH ONE QUENCH PER CYCLE.  
THE QUENCH TANK IS MAINTAINED AT  
APPROXIMATELY 150 DEGREES FAHRENHEIT.

Emission Source/Control: 0051A - Process

**Item 43.3:**

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

Emission Unit: 5-20000

Process: 520

Source Classification Code: 3-04-022-11

Process Description:

IN THIS PROCESS PARTS ARE HEAT TREATED ON  
AN INTERMITTENT BASIS WITH CYCLES RANGING  
UP TO SIX HOURS WITH ONE QUENCH PER CYCLE.  
THE QUENCH TANKS ARE MAINTAINED AT  
APPROXIMATELY 150 DEGREES FAHRENHEIT.

Emission Source/Control: 0052B - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: 0052C - Control

Control Type: CENTRIFUGAL

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Emission Source/Control: 0052D - Control  
Control Type: CENTRIFUGAL

Emission Source/Control: 0052F - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: 0052H - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: 0052J - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: 0052L - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: 0052N - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: 0052P - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: 0052A - Process

Emission Source/Control: 0052E - Process

Emission Source/Control: 0052G - Process

Emission Source/Control: 0052I - Process

Emission Source/Control: 0052K - Process

Emission Source/Control: 0052M - Process

Emission Source/Control: 0052O - Process

**Item 43.4:**

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

Emission Unit: 5-30000

Process: 530

Source Classification Code: 3-04-022-11

Process Description:

THIS PROCESS IS THE QUENCHING OF AN  
ELECTRICALLY INDUCED PART (HEATING OF A  
PORTION OF THE PART TO A HIGH TEMPERATURE)  
USING A DILUTE SOLUTION OF QUENCH  
MATERIAL.

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Emission Source/Control: 0053D - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: 0053A - Process

Emission Source/Control: 0053B - Process

Emission Source/Control: 0053C - Process

**Item 43.5:**

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

Emission Unit: 5-40000

Process: 540

Source Classification Code: 4-02-025-99

Process Description:

THIS PROCESS IS THE SPRAY APPLICATION OF A RUST PREVENTATIVE ONTO A METAL PART. A ROBOTIC ARM PICKS UP THE PART, PLACES IT INTO AN ENCLOSURE WHERE THE SPRAY APPLICATION OCCURS AND THEN IMMEDIATELY REMOVES THE PART.

Emission Source/Control: 0054A - Process

**Item 43.6:**

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

Emission Unit: 5-40000

Process: 541

Source Classification Code: 4-02-025-99

Process Description:

THIS PROCESS IS THE APPLICATION OF SMALL PAINT DOTS ONTO A METAL PART. A ROBOTIC ARM ROTATES THE PART AS THE DOTS ARE APPLIED BY A FELT TIP LIKE PEN.

Emission Source/Control: 0054A - Process

**Item 43.7:**

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

Emission Unit: 5-50000

Process: 550

Source Classification Code: 3-04-022-01

Process Description:

A POWDERED IRON ALLOY IS FORMED TO A REQUIRED SHAPE IN A HYDRAULIC PRESS. THIS "GREEN" PART IS HEATED IN THE REDUCING

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ATMOSPHERE OF THE SINTERING FURNACE.  
EMISSIONS OCCUR FROM THE ORGANIC BINDER IN  
THE METAL WHICH IS DRIVEN OFF WHEN HEATED,  
FORMING NOX AND COX.

Emission Source/Control: 0055B - Control  
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: 0055A - Process

Emission Source/Control: 0055C - Process

Emission Source/Control: 0055D - Process

**Item 43.8:**

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

Emission Unit: 5-70000  
Process: 570  
Source Classification Code: 3-09-002-01

Process Description:

METAL PARTS ARE GROUND TO SPECIFICATIONS  
USING PROGRAMMABLE GRINDERS, THERE ARE ALSO  
MISCELLANEOUS MANUALLY OPERATED MACHINING  
TOOLS WHICH ARE CLASSIFIED AS EITHER EXEMPT  
OR TRIVIAL PURSUANT TO 6 NYCRR PART 201-3.

Emission Source/Control: 0057A - Process

**Item 43.9:**

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

Emission Unit: 5-80000  
Process: 580  
Source Classification Code: 3-04-022-01

Process Description:

The N2 process is a heat treatment operation that uses a  
Nitrogen and Argon gas purge system to dry metal powder  
and pins. Emissions pass through a fabric filter and an  
oil bath.

Emission Source/Control: 0058A - Process

**Item 43.10:**

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

Emission Unit: 5-90000  
Process: 590  
Source Classification Code: 2-02-003-01

Process Description:



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Internal combustion engines used to test engine components.

Emission Source/Control: 0059A - Combustion

Emission Source/Control: 0059B - Combustion

**Item 43.11:**

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

Emission Unit: 5-90000

Process: 591

Source Classification Code: 2-02-001-02

Process Description:

Internal combustion engines used to test engine components.

Emission Source/Control: 0059A - Combustion

Emission Source/Control: 0059B - Combustion

**Condition 44: Compliance Certification**

**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 44.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 5-00000

Process: 500

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 44.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission Unit 5-00000 consists of various temper draws and washers. Liquid particulates are emitted. These emissions are governed by 6 NYCRR 212.4(a) and 212.9(b), Table 2. The emission rate potential from each stack shall not exceed 10 pounds per hour.

Compliance will be determined using a stack emission test, conducted upon request from the Department, according to

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40 CFR Part 60, Appendix A.

Additionally, the emission sources shall not be modified such that the emission rate potential increases, and no changes shall be made to the operation of the existing control equipment that would result in an increase in emissions unless the owner or operator submits to the DEC an application for such change, and receives written approval.

The owner or operator shall submit to the Department, on a semiannual calendar basis, a report stating whether any changes were made to the operations of these emissions sources, or the control equipment. Reports shall be due 30 days after the end of each semiannual period.

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2002.

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

**Condition 45: Compliance Certification**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 45.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 5-00000

Process: 500

**Item 45.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Emission Unit 5-00000 includes various washers and temper draws.

No person shall cause or allow emissions having an average



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opacity during any six consecutive minutes of 20 percent or more from any process emission source, except only the emission of uncombined water.

On a calendar quarter basis, the owner or operator shall observe the emissions from these emission points while the devices are in operation. The owner or operator shall record the date, the time, the weather conditions (rain, snow, windy, cloudy, clear), and whether there is any visible plume. To the extent possible, the observer shall position him or herself with the sun behind his or her back. The owner shall note whether there is any condensed water droplets. Condensed water droplets can be distinguished from other liquid particulate as the water plume dissipates quickly.

In the event that visible emissions are observed, the owner or operator shall contact the Department by phone as soon as practical, but in no event later than two business days after conducting the observation. Within 30 days, when requested by the Department in writing, the owner or operator must submit to the Department a report describing the emissions.

All records of observations must be maintained at the facility for a period of five years.

A report shall be submitted to the Department semiannually (calendar basis) stating whether the monitoring has been conducted. Reports shall be due 30 days after the end of each semiannual period.

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Reference Test Method: EPA Method 9  
Monitoring Frequency: QUARTERLY  
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2002.  
Subsequent reports are due every 6 calendar month(s).

**Condition 46: Compliance Certification**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

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**Facility DEC ID: 7503200017**



**Item 46.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 5-10000

Process: 510

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 46.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission Unit 5-10000 consists of the rotary batch pin line conveyor exhaust. Liquid particulates are emitted. These emissions are governed by 6 NYCRR 212.4(a) and 212.9(b), Table 2. The emission rate potential from each stack shall not exceed 10 pounds per hour.

Compliance will be determined using a stack emission test conducted, upon request of the Department, according to 40 CFR Part 60, Appendix A.

Additionally, the emission sources shall not be modified such that the emission rate potential increases, and no changes shall be made to the operation of the existing control equipment that would result in an increase in emissions unless the owner or operator submits to the DEC an application for such change, and receives written approval.

The owner or operator shall submit to the Department, on a semiannual calendar basis, a report stating whether any changes were made to the operations of these emissions sources. Reports shall be due 30 days after the end of each semiannual period.

Upper Permit Limit: 10 pounds per hour

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



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**Facility DEC ID: 7503200017**

The initial report is due 1/30/2002.

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

**Condition 47: Compliance Certification**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 47.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 5-10000

Process: 510

**Item 47.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Emission Unit 5-10000 consists of the rotary batch pin  
line conveyor.

No person shall cause or allow emissions having an average  
opacity during any six consecutive minutes of 20 percent  
or more from any process emission source, except only the  
emission of uncombined water.

On a calendar quarter basis, the owner or operator shall  
observe the emissions from the these emission points while  
the devices are in operation. The owner or operator shall  
record the date, the time, the weather conditions (rain,  
snow, windy, cloudy, clear), and whether there is any  
visible plume. To the extent possible, the observer shall  
position him or herself with the sun behind his or her  
back. The owner shall note whether there is any condensed  
water droplets. Condensed water droplets can be  
distinguished from other liquid particulate as the water  
plume dissipates quickly.

In the event that visible emissions are observed, the  
owner or operator shall contact the Department by phone as  
soon as practical, but in no event later than two business  
days after conducting the observation. Within 30 days,  
when requested by the Department in writing, the owner or  
operator must submit to the Department a report describing  
the emissions.

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All records of observations must be maintained at the facility for a period of five years.

A report shall be submitted to the Department semiannually (calendar basis) stating whether the monitoring has been conducted. Reports shall be due 30 days after the end of each semiannual period.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2002.

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

**Condition 48: Compliance Certification**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 48.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 5-20000

Process: 520

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 48.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission Unit 5-20000 consists of various quench tanks. Liquid particulates are emitted. These emissions are governed by 6 NYCRR 212.4(a) and 212.9(b), Table 2. The emission rate potential from each stack shall not exceed 10 pounds per hour.

Compliance will be determined using a stack emission test conducted, upon request of the Department, according to 40

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CFR Part 60, Appendix A.

Additionally, the emission sources shall not be modified such that the emission rate potential increases, and no changes shall be made to the operation of the existing control equipment that would result in an increase in emissions unless the owner or operator submits to the DEC an application for such change, and receives written approval.

The owner or operator shall submit to the Department, on a semiannual calendar basis, a report stating whether any changes were made to the operations of these emissions sources, or the control equipment. Reports shall be due 30 days after the end of each semiannual period.

Upper Permit Limit: 10 pounds per hour

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2002.

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

**Condition 49: Compliance Certification**

**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 49.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 5-20000

Process: 520

**Item 49.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Emission Unit 5-20000 includes various quenching  
operations.



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No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or more from any process emission source, except only the emission of uncombined water.

On a calendar quarter basis, the owner or operator shall observe the emissions from these emission points while the devices are in operation. The owner or operator shall record the date, the time, the weather conditions (rain, snow, windy, cloudy, clear), and whether there is any visible plume. To the extent possible, the observer shall position him or herself with the sun behind his or her back. The owner shall note whether there is any condensed water droplets. Condensed water droplets can be distinguished from other liquid particulate as the water plume dissipates quickly.

In the event that visible emissions are observed, the owner or operator shall contact the Department by phone as soon as practical, but in no event later than two business days after conducting the observation. Within 30 days, when requested by the Department in writing, the owner or operator must submit to the Department a report describing the emissions.

All records of observations must be maintained at the facility for a period of five years.

A report shall be submitted to the Department semiannually (calendar basis) stating whether the monitoring has been conducted. Reports shall be due 30 days after the end of each semiannual period.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2002.

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

**Condition 50: Compliance Certification**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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**Facility DEC ID: 7503200017**



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

**Item 50.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 5-30000

Process: 530

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 50.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission Unit 5-30000 consists of induction hardeners. Liquid particulates are emitted. These emissions are governed by 6 NYCRR 212.4(a) and 212.9(b), Table 2. The emission rate potential from each stack shall not exceed 10 pounds per hour.

Compliance will be determined using a stack emission test conducted, upon request of the Department, according to 40 CFR Part 60, Appendix A.

Additionally, the emission sources shall not be modified such that the emission rate potential increases, and no changes shall be made to the operation of the existing control equipment that would result in an increase in emissions unless the owner or operator submits to the DEC an application for such change, and receives written approval.

The owner or operator shall submit to the Department, on a semiannual calendar basis, a report stating whether any changes were made to the operations of these emissions sources, or the control equipment. Reports shall be due 30 days after the end of each semiannual period.

Upper Permit Limit: 10 pounds per hour

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.  
The initial report is due 1/30/2002.  
Subsequent reports are due every 6 calendar month(s).

**Condition 51: Compliance Certification**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 51.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 5-30000  
Process: 530

**Item 51.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Emission Unit 5-30000 includes induction hardeners.

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or more from any process emission source, except only the emission of uncombined water.

On a calendar quarter basis, the owner or operator shall observe the emissions from the these emission points while the devices are in operation. The owner or operator shall record the date, the time, the weather conditions (rain, snow, windy, cloudy, clear), and whether there is any visible plume. To the extent possible, the observer shall position him or herself with the sun behind his or her back. The owner shall note whether there is any condensed water droplets. Condensed water droplets can be distinguished from other liquid particulate as the water plume dissipates quickly.

In the event that visible emissions are observed, the owner or operator shall contact the Department by phone as soon as practical, but in no event later than two business days after conducting the observation. Within 30 days, when requested by the Department in writing, the owner or operator must submit to the Department a report describing the emissions.

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All records of observations must be maintained at the facility for a period of five years.

A report shall be submitted to the Department semiannually (calendar basis) stating whether the monitoring has been conducted. Reports shall be due 30 days after the end of each semiannual period.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2002.

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

**Condition 52: Compliance Certification**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 5-50000

Process: 550

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 52.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission Unit 5-50000 consists of metal sintering and pre-sintering furnaces. VOC may be emitted. These emissions are governed by 6 NYCRR 212.4(a) and 212.9(b), Table 2. The emission rate potential from each stack shall not exceed 10 pounds per hour.

Compliance will be based using a stack emission test conducted, upon request of the Department, according to 40

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CFR Part 60, Appendix A.

Additionally, the emission sources shall not be modified such that the emission rate potential increases, and no changes shall be made to the operation of the existing control equipment that would result in an increase in emissions unless the owner or operator submits to the DEC an application for such change, and receives written approval.

The owner shall submit to the Department, on a semiannual calendar basis, a report stating whether any changes were made to the operation of these emission sources or to the control device. Reports shall be due 30 days after the end of each semiannual period.

Upper Permit Limit: 10 pounds per hour

Reference Test Method: EPA Method 25a

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2002.

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

**Condition 53: Compliance Certification**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 53.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 5-50000

Process: 550

**Item 53.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Emission Unit 5-50000 includes various powdered metal sintering furnaces.



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No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or more from any process emission source, except only the emission of uncombined water.

On a calendar quarter basis, the owner or operator shall observe the emissions from these emission points while the devices are in operation. The owner or operator shall record the date, the time, the weather conditions (rain, snow, windy, cloudy, clear), and whether there is any visible plume. To the extent possible, the observer shall position him or herself with the sun behind his or her back. The owner shall note whether there is any condensed water droplets. Condensed water droplets can be distinguished from other liquid particulate as the water plume dissipates quickly.

In the event that visible emissions are observed, the owner or operator shall contact the Department by phone as soon as practical, but in no event later than two business days after conducting the observation. Within 30 days, when requested by the Department in writing, the owner or operator must submit to the Department a report describing the emissions.

All records of observations must be maintained at the facility for a period of five years.

A report shall be submitted to the Department semiannually (calendar basis) stating whether the monitoring has been conducted. Reports shall be due 30 days after the end of each semiannual period.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2002.

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

**Condition 54: Compliance Certification**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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**Facility DEC ID: 7503200017**



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

**Item 54.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 5-70000

Process: 570

**Item 54.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Emission Unit 5-70000 includes tool room grinders.

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or more from any process emission source, except only the emission of uncombined water.

On a calendar quarter basis, the owner or operator shall observe the emissions from the these emission points while the devices are in operation. The owner or operator shall record the date, the time, the weather conditions (rain, snow, windy, cloudy, clear), and whether there is any visible plume. To the extent possible, the observer shall position him or herself with the sun behind his or her back. The owner shall note whether there is any condensed water droplets. Condensed water droplets can be distinguished from other liquid particulate as the water plume dissipates quickly.

In the event that visible emissions are observed, the owner or operator shall contact the Department by phone as soon as practical, but in no event later than two business days after conducting the observation. Within 30 days, when requested by the Department in writing, the owner or operator must submit to the Department a report describing the emissions.

All records of observations must be maintained at the facility for a period of five years.

A report shall be submitted to the Department semiannually (calendar basis) stating whether the monitoring has been conducted. Reports shall be due 30 days after the end of

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each semiannual period.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2002.

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

**Condition 55: Compliance Certification**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 55.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 5-70000

Process: 570

Emission Source: 0057A

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 55.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission Unit 5-70000 consists of tool room grinders.

These devices are subject to 6 NYCRR 212.4(c). No person shall cause or allow emissions of solid particulate that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis, corrected for dilution air. Compliance will be determined using a stack emissions test conducted, upon the request of the Department, according to methods promulgated by EPA.

The owner or operator shall submit to the Department, on a semiannual calendar basis, a report describing whether any changes were made to this emissions source. Such report will be due on the 30th day after the end of the semiannual period.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2002.

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

**Condition 56: Compliance Certification**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 56.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 5-80000

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 56.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission unit 5-00008 consists of the N2 process, which uses a nitrogen argon gas purge system to dry a metal powder and pins. Emissions include liquid and solid particulates.

Liquid particulates are governed by 6 NYCRR 212.4(a) and 212.9(b), Table 2. The emission rate potential from this source shall not exceed 10 pounds per hour. Compliance will be determined using a stack test conducted, upon request from the Department, according to methods promulgated by the Environmental Protection Agency.

Additionally, the emission sources shall not be modified such that the emission rate potential increases, and no changes shall be made to the operation of the existing control equipment that would result in an increase in emissions unless the owner or operator submits to the DEC an application for such change, and receives written approval.



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The owner or operator shall submit to the Department, on a semiannual calendar basis, a report stating whether any changes were made to the operations of the air contamination and/or control sources. Reports shall be due 30 days after the end of each semiannual period.

Upper Permit Limit: 10 pounds per hour

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2002.

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

**Condition 57: Compliance Certification**

**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 57.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 5-80000

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 57.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission unit 5-00008 consists of the N2 process, which uses a nitrogen argon gas purge system to dry a metal powder and pins. Emissions include liquid and solid particulates. Solid particulates are governed by 212.4(c). No person shall cause or allow emissions of solid particulate that exceeds 0.05 grains of particulate per dry standard cubic foot. Compliance will be determined using a stack emissions test conducted, upon the request of the Department, according to methods promulgated by DEC.

The owner or operator shall submit to the Department, on a



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semiannual calendar basis, a report stating whether any changes were made to the operation of these emissions sources. Reports shall be due 30 days after the end of each semiannual period.

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2002.

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

**Condition 58: Compliance Certification**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

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

**Item 58.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 5-80000 Emission Point: 58000

**Item 58.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Emission unit 5-00008 consists of the N2 process, which uses a nitrogen argon gas purge system to dry a metal powder and pins. Emissions include liquid and solid particulates.

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or more from any process emission source, except only the emission of uncombined water.

On a calendar quarter basis, the owner or operator shall observe the emissions from this emission point while the device is in operation. The owner or operator shall record the date, time, weather conditions (rain, snow, windy, cloudy, clear) and whether there is any visible

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plume. To the extent practicable, the observer shall position him or herself with the sun behind his or her back. The owner or operator shall note whether there is any condensed water droplets. Condensed water droplets can be distinguished from other liquid particulate as the plume dissipates quickly.

In the event that visible emissions are observed, the owner or operator shall contact the Department by phone as soon as practical, but in no event later than two business days after conducting the observation. Within 30 days, when requested by the Department in writing, the owner or operator must submit to the Department a report describing the emissions.

All records of observations must be maintained at the facility for a period of five years.

A report shall be submitted to the Department semiannually (calendar basis) stating whether the monitoring has been conducted. Reports shall be due 30 days after the end of each semiannual period.

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Reference Test Method: EPA Method 9  
Monitoring Frequency: QUARTERLY  
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2002.  
Subsequent reports are due every 6 calendar month(s).

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**STATE ONLY ENFORCEABLE CONDITIONS**

**\*\*\*\* Facility Level \*\*\*\***

**Condition 59: General Provisions**

**Effective between the dates of 10/15/2001 and 10/15/2006**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 59.1:**

This section contains terms and conditions that are not federally enforceable and are not required under the Act or under any of its applicable requirements. Terms and conditions so designated are not subject to the requirements of Section 201-6.4 of Part 201.

**Item 59.2:**

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.

**Item 59.3:**

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

**Condition 60: Contaminant List**

**Effective between the dates of 10/15/2001 and 10/15/2006**

**Applicable State Requirement: 6NYCRR 201-5.3(b)**

**Item 60.1:**

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

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

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

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

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CAS No: 0NY998-00-0

Name: VOC

**Condition 61: Air pollution prohibited**  
**Effective between the dates of 10/15/2001 and 10/15/2006**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 61.1:**

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.