



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 9-1464-00048/00106  
Effective Date: 05/19/2010 Expiration Date: 05/18/2015

Permit Issued To: GENERAL MOTORS LLC  
300 RENAISSANCE CENTER  
DETROIT, MI 48265-3000

Contact: STEVEN C FINCH  
TONAWANDA POWERTRAIN ENGINE PLANT  
2995 RIVER RD  
BUFFALO, NY 14207

Facility: TONAWANDA POWERTRAIN ENGINE PLANT  
2995 RIVER RD  
BUFFALO, NY 14207-1099

Contact: MIGUEL A ANTONETTI  
TONAWANDA POWERTRAIN ENGINE PLANT  
2995 RIVER RD  
BUFFALO, NY 14207-1099  
(716) 879-5423

**Description:**

Application for renewal of Air Title V Facility permit. Changes have been made to address the reduction of operations at the plant, corrections to data and to stream line permit conditions. Significant changes to the permit conditions include the elimination of 40 cfr part 64, Compliance Assurance Monitoring (CAM), for the plants Two 585 horsepower natural gas fired mechanical pump drive engines, which are used to pump river water for plant use. CAM was originally applied to the total emissions from both engines operating which totaled 143 tpy. Each engine has a separate catalytic converter and has the potential to emit 71.58 tpy. One of the criteria for CAM applicability is that prior to control emissions exceed 100 tpy. This criteria is not met and therefore the CAM condition has been removed. Also the frequency for emission testing the engines with a portable analyzer or equivalent has been decreased from annual to once every 5 years.

In determining compliance with 6 NYCRR part 228.7, it is the Departments position that marking inks used in processes such as video jet, laser jet, dabbers, ink jet, or similar, are not considered a surface coating or coating of a substrate.

The Following emission points correspond to these GM asset numbers (i.e. "brass tag numbers"):

1. Emission point E106A & E106B are two stacks originating from a single side-by-side Torit, dust collector (GM asset # 100055089).
2. Emission point E109 is a 585 bhp Waukesha natural gas fired mechanical drive engine, aka pump # 4 (GM asset # 100010047).
3. Emission point E0110 is a 585 bhp Waukesha natural gas fired mechanical drive engine, aka

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 9146400048**



pump# 6 (GM asset # 100010048).

Other minor changes clarified report submission requirements and exempt sources of degreasers.

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:           DAVID S DENK  
  DIVISION OF ENVIRONMENTAL PERMITS  
  270 MICHIGAN AVE  
  BUFFALO, NY 14203-2999

Authorized Signature: \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_\_\_



**Notification of Other State Permittee Obligations**

**Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification**

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

**Item B: Permittee's Contractors to Comply with Permit**

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

**Item C: Permittee Responsible for Obtaining Other Required Permits**

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

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

**Facility Level**

- Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS



**DEC GENERAL CONDITIONS**

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

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

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

**Condition 1: Facility Inspection by the Department**

**Applicable State Requirement: ECL 19-0305**

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**

**Applicable State Requirement: ECL 3-0301 (2) (m)**

**Item 2.1:**

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

**Condition 3: Applications for permit renewals, modifications and transfers**

**Applicable State Requirement: 6 NYCRR 621.11**

**Item 3.1:**

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

**Item 3.2:**

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

**Item 3.3:**

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be



submitted prior to actual transfer of ownership.

**Condition 4: Permit modifications, suspensions or revocations by the Department**  
**Applicable State Requirement: 6 NYCRR 621.13**

**Item 4.1:**

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

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

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

**Condition 5: Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS**  
**Applicable State Requirement: 6 NYCRR 621.6 (a)**

**Item 5.1:**

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

NYSDEC Regional Permit Administrator  
Region 9 Headquarters  
Division of Environmental Permits  
270 Michigan Avenue  
Buffalo, NY 14203-2915  
(716) 851-7165



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

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

**IDENTIFICATION INFORMATION**

Permit Issued To: GENERAL MOTORS LLC  
300 RENAISSANCE CENTER  
DETROIT, MI 48265-3000

Facility: TONAWANDA POWERTRAIN ENGINE PLANT  
2995 RIVER RD  
BUFFALO, NY 14207-1099

Authorized Activity By Standard Industrial Classification Code:  
3471 - ELECTROPLATING, POLISHING, ANODIZING, AND COLORING  
3711 - MOTOR VEHICLES AND CAR BODIES  
3714 - MOTOR VEHICLE PARTS & ACCESSORIES

Permit Effective Date: 05/19/2010

Permit Expiration Date: 05/18/2015



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.5 (a) (7): Fees
- 3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
- 4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.5 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR Part 215: Open Fires Prohibited at Industrial and Commercial Sites
- 10 6 NYCRR 215.2: Open Fires - Prohibitions
- 11 6 NYCRR 200.7: Maintenance of Equipment
- 12 6 NYCRR 201-1.7: Recycling and Salvage
- 13 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 14 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 15 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 16 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
- 17 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
- 18 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
- 19 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
- 20 6 NYCRR 202-1.1: Required Emissions Tests
- 21 6 NYCRR 211.3: Visible Emissions Limited
- 22 40 CFR Part 68: Accidental release provisions.
- 23 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 24 6 NYCRR 200.3: False statement
- 25 6 NYCRR Subpart 201-6: Emission Unit Definition
- 26 6 NYCRR Subpart 225-1: Compliance Certification
- 27 6 NYCRR Part 226: Compliance Certification

#### Emission Unit Level

- 28 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 29 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
- 30 6 NYCRR 201-7.2: Emission Unit Permissible Emissions

#### EU=U-00002

- 31 6 NYCRR 201-6.5 (f) (1): Compliance Certification
- 32 6 NYCRR 212.4 (c): Compliance Certification

#### EU=U-00004

- \*33 6 NYCRR 201-7.2: Capping Monitoring Condition

### STATE ONLY ENFORCEABLE CONDITIONS

#### Facility Level

- 34 ECL 19-0301: Contaminant List



- 35 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 36 6 NYCRR 211.2: Air pollution prohibited

NOTE: \* preceding the condition number indicates capping.



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

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

**Item A: Emergency Defense - 6 NYCRR 201-1.5**

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

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

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

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

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

**Item B: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)**

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.



**Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.3 (a) (4)**

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

**Item D: Certification by a Responsible Official - 6 NYCRR 201-6.3 (d) (12)**

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

**Item E: Requirement to Comply With All Conditions - 6 NYCRR 201-6.5 (a) (2)**

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

**Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.5 (a) (3)**

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

**Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.5 (a) (5)**

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

**Item H: Property Rights - 6 NYCRR 201-6.5 (a) (6)**

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



**Item I: Severability - 6 NYCRR 201-6.5 (a) (9)**

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

**Item J: Permit Shield - 6 NYCRR 201-6.5 (g)**

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

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

**Item K: Reopening for Cause - 6 NYCRR 201-6.5 (i)**

This Title V permit shall be reopened and revised under any of the following circumstances:

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is



three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

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

**Item L: Permit Exclusion - ECL 19-0305**

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York



(NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

**Item M: Federally Enforceable Requirements - 40 CFR 70.6 (b)**  
All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

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

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

**Condition 1: Acceptable Ambient Air Quality**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

**Applicable Federal Requirement:6 NYCRR 200.6**

**Item 1.1:**

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

**Condition 2: Fees**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

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

**Item 2.1:**

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0302.

**Condition 3: Recordkeeping and reporting of compliance monitoring**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

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

**Item 3.1:**



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

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

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

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

**Effective between the dates of 05/19/2010 and 05/18/2015**

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

**Item 4.1:**

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

**Condition 5: Compliance Certification**

**Effective between the dates of 05/19/2010 and 05/18/2015**

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

**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Submit reports of any required monitoring at a minimum



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

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

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

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

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

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

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



written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

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

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

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

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

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 7/30/2010.



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

**Condition 6: Compliance Certification**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

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

**Item 6.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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



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

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

The address for the RAPCE is as follows:

270 Michigan Avenue  
Buffalo, NY 14203-2999

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2011.  
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

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

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

**Item 7.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:  
Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

Monitoring Frequency: ANNUALLY

**New York State Department of Environmental Conservation**

Permit ID: 9-1464-00048/00106

Facility DEC ID: 9146400048



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

**Condition 8: Recordkeeping requirements**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

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

**Item 8.1:**

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

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

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

**Condition 9: Open Fires Prohibited at Industrial and Commercial Sites**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

**Applicable Federal Requirement:6 NYCRR Part 215**

**Item 9.1:**

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

**Condition 10: Open Fires - Prohibitions**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

**Applicable Federal Requirement:6 NYCRR 215.2**

**Item 10.1:**

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

**Item 10.2**

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use,



provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.

- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

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

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

**Condition 11: Maintenance of Equipment**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

**Applicable Federal Requirement: 6 NYCRR 200.7**

**Item 11.1:**

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

**Condition 12: Recycling and Salvage**  
**Effective between the dates of 05/19/2010 and 05/18/2015**



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

**Item 12.1:**

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

**Condition 13: Prohibition of Reintroduction of Collected Contaminants to the air**

**Effective between the dates of 05/19/2010 and 05/18/2015**

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

**Item 13.1:**

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

**Condition 14: Exempt Sources - Proof of Eligibility**

**Effective between the dates of 05/19/2010 and 05/18/2015**

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

**Item 14.1:**

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

**Condition 15: Trivial Sources - Proof of Eligibility**

**Effective between the dates of 05/19/2010 and 05/18/2015**

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

**Item 15.1:**

The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other State and Federal air pollution control requirements, regulations, or law.

**Condition 16: Standard Requirement - Provide Information**

**Effective between the dates of 05/19/2010 and 05/18/2015**



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

**Item 16.1:**

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

**Condition 17: General Condition - Right to Inspect**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

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

**Item 17.1:**

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

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

**Condition 18: Standard Requirements - Progress Reports**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

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

**Item 18.1:**

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

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

**Condition 19: Off Permit Changes**  
**Effective between the dates of 05/19/2010 and 05/18/2015**



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

**Item 19.1:**

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

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

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

**Condition 20: Required Emissions Tests**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

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

**Item 20.1:**

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

**Condition 21: Visible Emissions Limited**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

**Applicable Federal Requirement:6 NYCRR 211.3**

**Item 21.1:**

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

**Condition 22: Accidental release provisions.**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

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

**Item 22.1:**

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities





Emission Unit Description:

Emission unit U00002 represents all of the production machining operations and associated air washers that are subject to 0.05 grain/dry standard cubic foot particulate emission limit per 6NYCRR Part 212.4.

Building(s): Inline  
PLANT 1  
PLANT 4

**Item 25.2:**

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

Emission Unit: U-00004

Emission Unit Description:

Two natural gas fired mechanical pump drive engines rated at 585 bhp each used to pump river water to cool plant machining operations. Pumps are located in the river pump house just east of the Niagara River.

Building(s): river pump

**Condition 26: Compliance Certification**

**Effective between the dates of 05/19/2010 and 05/18/2015**

**Applicable Federal Requirement:6 NYCRR Subpart 225-1**

**Item 26.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 26.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Sulfur content of fuel oil used at the facility is limited to a maximum 1.5% by weight. This is applicable to smaller units that may be located throughout the plant and are not required to meet a lower limit specified in a federal standard such as NSPS subpart Dc. This regulation would apply to the stationary or portable combustion installations with a maximum rated heat capacity < 10 mmbtu/hr burning fossil fuels, other than coal, and coal and wood fired stationary combustion units with a maximum heat input < 1 mmbtu/hr and the stationary or portable internal combustion engines (< 400 hp) such as those listed in the exempt activities in the title V application. These sources must also not exceed the opacity limits in 227-1.3. Fuel receipts stating sulfur content of oil from the supplier shall be kept on site to demonstrate compliance with this standard. A report of sulfur deviations only is required semi annually.



The use of waste oil as fuel is limited to units with a maximum rated heat input of less than 1 mmbtu/hr, burning oil generated on site and containing no chemical waste, i.e. fuel constituents/property meeting the requirements of table 2-1 in 6 NYCRR 225-2.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR

Upper Permit Limit: 1.5 percent by weight

Reference Test Method: ASTM D129-78

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2010.

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

**Condition 27: Compliance Certification**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

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

**Item 27.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 27.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

6 NYCRR 226. Requirements for Cold Cleaning Degreasers  
(For Title V after 12/31/2003)

A. Equipment Specifications

The following types of control equipment must be used when conducting cold cleaning degreasing, solvent metal cleaning:

- (1) A cover which can be operated easily.
- (2) An internal drainage facility (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 0.5, or a water cover when the solvent is insoluble in and heavier than water. This does not apply



to remote reservoir degreasers.

(4) Solvent with a vapor pressure of 1.0 mm Hg, or less, at 20 C.

B. Operating Requirements:

When cold cleaning, the clean parts must be drained at least 15 seconds or until dripping ceases.

C. General Requirements:

A Person conducting solvent metal cleaning must:

(1) Store solvent in covered containers and transfer or dispose of waste solvent in such a manner that less than 20 percent of the waste solvent (by weight) can evaporate into the atmosphere.

(2) Maintain equipment to minimize leaks and fugitive emissions.

(3) Display at the equipment location a conspicuous summary of proper operating procedures consistent with minimizing emissions of VOCs.

(4) Keep the degreaser cover closed except when:

(a) parts are being placed into or being removed from the degreaser;

(b) adding or removing solvent from the degreaser;

(c) no solvent is in the degreaser; or

(d) when manually cleaning metal parts in the cold cleaning degreaser.

(5) Create and retain a record of solvent consumption for five years. This record must be made available to the Department upon request.

(6) Not clean sponges, fabric, wood, leather, paper products and other absorbent materials in a degreaser.

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

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

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

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

(8) Include in the semiannual monitoring report and annual compliance certifications (required of all permittees subject to Title V) the solvent consumption required under (5) above, as well as a statement that the permittee's obligations under items (1) through (7) above have been



met for the period of the report or certification.. This statement must be based on the permittees observations on a daily basis that the operation of the solvent metal cleaning process has met the above criteria. The permittee must maintain a log of instances when the above have not been met, and such statement must summarize these instances.

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 7/30/2010.

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

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

Condition 28: Emission Point Definition By Emission Unit Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 28.1:

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

Emission Unit: U-00002

Emission Point: 22234

Height (ft.): 31 Diameter (in.): 21
NYTMN (km.): 4764.497 NYTME (km.): 181.186 Building: PLANT 4

Emission Point: 22811

Height (ft.): 32 Diameter (in.): 21
NYTMN (km.): 4764.497 NYTME (km.): 181.186 Building: PLANT 4

Emission Point: 23222

Height (ft.): 31 Diameter (in.): 39
NYTMN (km.): 4764.497 NYTME (km.): 181.186 Building: PLANT 4

Emission Point: 23224

Height (ft.): 31 Diameter (in.): 39
NYTMN (km.): 4764.513 NYTME (km.): 181.204 Building: PLANT 4

Emission Point: 23225

Height (ft.): 31 Diameter (in.): 39
NYTMN (km.): 4764.516 NYTME (km.): 181.205 Building: PLANT 4

Emission Point: 23226

Height (ft.): 31 Diameter (in.): 39
NYTMN (km.): 4764.523 NYTME (km.): 181.216 Building: PLANT 4

**New York State Department of Environmental Conservation**

Permit ID: 9-1464-00048/00106

Facility DEC ID: 9146400048



Emission Point: 23228  
Height (ft.): 31 Diameter (in.): 39  
NYTMN (km.): 4764.53 NYTME (km.): 181.259 Building: PLANT 4

Emission Point: 23229  
Height (ft.): 31 Diameter (in.): 39  
NYTMN (km.): 4764.479 NYTME (km.): 181.225 Building: PLANT 4

Emission Point: 23230  
Height (ft.): 31 Diameter (in.): 39  
NYTMN (km.): 4764.482 NYTME (km.): 181.228 Building: PLANT 4

Emission Point: 23231  
Height (ft.): 31 Diameter (in.): 39  
NYTMN (km.): 4764.469 NYTME (km.): 181.216 Building: PLANT 4

Emission Point: 23232  
Height (ft.): 31 Diameter (in.): 39  
NYTMN (km.): 4764.475 NYTME (km.): 181.239 Building: PLANT 4

Emission Point: 23233  
Height (ft.): 31 Diameter (in.): 39  
NYTMN (km.): 4764.48 NYTME (km.): 181.243 Building: PLANT 4

Emission Point: 23235  
Height (ft.): 31 Diameter (in.): 32  
NYTMN (km.): 4764.486 NYTME (km.): 181.268 Building: PLANT 4

Emission Point: 23236  
Height (ft.): 31 Diameter (in.): 39  
NYTMN (km.): 4764.503 NYTME (km.): 181.289 Building: PLANT 4

Emission Point: 23405  
Height (ft.): 43 Diameter (in.): 28  
NYTMN (km.): 4764.5 NYTME (km.): 181.3 Building: PLANT 4

Emission Point: 23475  
Height (ft.): 31 Diameter (in.): 36  
NYTMN (km.): 4764.553 NYTME (km.): 181.218 Building: PLANT 4

Emission Point: 24566  
Height (ft.): 31 Diameter (in.): 36  
NYTMN (km.): 4763.936 NYTME (km.): 180.686 Building: PLANT 4

Emission Point: 24905  
Height (ft.): 21 Diameter (in.): 36  
NYTMN (km.): 4764.141 NYTME (km.): 180.67 Building: PLANT 1

Emission Point: 24906  
Height (ft.): 36 Diameter (in.): 30  
NYTMN (km.): 4764.137 NYTME (km.): 180.737 Building: PLANT 4

**New York State Department of Environmental Conservation**

Permit ID: 9-1464-00048/00106

Facility DEC ID: 9146400048



Emission Point: 25865			
Height (ft.): 43	Diameter (in.): 34		
NYTMN (km.): 4764.137	NYTME (km.): 180.739	Building: PLANT 1	
Emission Point: 25868			
Height (ft.): 43	Diameter (in.): 29		
NYTMN (km.): 4764.14	NYTME (km.): 180.739	Building: PLANT 4	
Emission Point: 25869			
Height (ft.): 30	Diameter (in.): 34		
NYTMN (km.): 4764.514	NYTME (km.): 181.278	Building: PLANT 4	
Emission Point: 26101			
Height (ft.): 30	Diameter (in.): 38		
NYTMN (km.): 4764.548	NYTME (km.): 181.213	Building: PLANT 4	
Emission Point: 26160			
Height (ft.): 35	Diameter (in.): 36		
NYTMN (km.): 4764.112	NYTME (km.): 180.598	Building: PLANT 1	
Emission Point: 29171			
Height (ft.): 30	Diameter (in.): 18		
NYTMN (km.): 4764.112	NYTME (km.): 180.598	Building: PLANT 1	
Emission Point: 29172			
Height (ft.): 30	Diameter (in.): 18		
NYTMN (km.): 4764.112	NYTME (km.): 180.598	Building: PLANT 1	
Emission Point: 29937			
Height (ft.): 47	Diameter (in.): 30	Building: Inline	
Emission Point: 29938			
Height (ft.): 47	Diameter (in.): 30	Building: Inline	
Emission Point: 29939			
Height (ft.): 47	Diameter (in.): 30		
Emission Point: 29940			
Height (ft.): 47	Diameter (in.): 30	Building: Inline	
Emission Point: 29941			
Height (ft.): 47	Diameter (in.): 30	Building: Inline	
Emission Point: 29942			
Height (ft.): 47	Diameter (in.): 30	Building: Inline	



Emission Point: 29943			
Height (ft.): 47	Diameter (in.): 30		
Emission Point: E0094			
Height (ft.): 47	Diameter (in.): 30		
NYTMN (km.): 4764.112	NYTME (km.): 180.598	Building: Inline	
Emission Point: E0095			
Height (ft.): 47	Diameter (in.): 30		
NYTMN (km.): 4764.112	NYTME (km.): 180.598	Building: Inline	
Emission Point: E0096			
Height (ft.): 47	Diameter (in.): 30		
NYTMN (km.): 4764.1	NYTME (km.): 180.1	Building: Inline	
Emission Point: E0097			
Height (ft.): 47	Diameter (in.): 30		
NYTMN (km.): 4764.1	NYTME (km.): 180.1	Building: Inline	
Emission Point: E0098			
Height (ft.): 47	Diameter (in.): 30		
NYTMN (km.): 4764.1	NYTME (km.): 180.1	Building: Inline	
Emission Point: E0099			
Height (ft.): 47	Diameter (in.): 30		
NYTMN (km.): 4764.1	NYTME (km.): 180.1	Building: Inline	
Emission Point: E0100			
Height (ft.): 47	Diameter (in.): 30		
NYTMN (km.): 4764.1	NYTME (km.): 180.1	Building: Inline	
Emission Point: E0102			
Height (ft.): 47	Diameter (in.): 30		
NYTMN (km.): 4764.1	NYTME (km.): 180.1	Building: Inline	
Emission Point: E0103			
Height (ft.): 47	Diameter (in.): 30		
NYTMN (km.): 4764.1	NYTME (km.): 180.1	Building: Inline	
Emission Point: E0111			
Height (ft.): 43	Diameter (in.): 34		
NYTMN (km.): 4764.1	NYTME (km.): 180.1	Building: PLANT 1	
Emission Point: E106A			
Height (ft.): 42	Diameter (in.): 26		
NYTMN (km.): 4764.1	NYTME (km.): 180.1	Building: Inline	
Emission Point: E106B			
Height (ft.): 42	Diameter (in.): 26		
NYTMN (km.): 4764.1	NYTME (km.): 180.1	Building: Inline	

**Item 28.2:**



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

Emission Unit: U-00004

Emission Point: E0109

Height (ft.): 30

Diameter (in.): 12

Building: river pump

Emission Point: E0110

Height (ft.): 30

Diameter (in.): 12

Building: river pump

**Condition 29: Process Definition By Emission Unit**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

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

**Item 29.1:**

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

Emission Unit: U-00002

Process: 102

Source Classification Code: 3-09-030-06

Process Description:

This process includes several nodular iron wet machining lines for the manufacture of engine crank shafts. Machining operations include milling, drilling, broaching, tapping, grinding, lathing, deburring, balancing, polishing, and other miscellaneous operations like sprocket press and an automatic gage. Wet machining is a multi-step machining process that shapes and finishes metal parts and uses fluids for cooling and lubrication during machining operations. The fluid used will be water and water soluble oils (synthetic, Semi-synthetic, natural oil). The particular type of oil used will depend on the part being machined and the type of machining (rough, finish). The fluid handling operations will be managed through a centralized coolant system. This system will filter and circulate the coolants to the appropriate equipment during machining operations. Both the process equipment and the ventilation from the centralized coolant system will exhaust to mist eliminators.

Emission Source/Control: E0102 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: E0103 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: I0102 - Process

**Item 29.2:**

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



Emission Unit: U-00002  
Process: 106 Source Classification Code: 3-09-030-06  
Process Description:  
Dry machining for part of the crankshaft operations. No  
lubricating fluids, emissions vent to a baghouse and  
mechanical cleaner.

Emission Source/Control: E0106 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: I0106 - Process

**Item 29.3:**

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

Emission Unit: U-00002  
Process: 93A Source Classification Code: 3-09-030-06  
Process Description: Steel grinding- tooling services

Emission Source/Control: E093A - Control  
Control Type: FABRIC FILTER

Emission Source/Control: I093A - Process

**Item 29.4:**

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

Emission Unit: U-00002  
Process: P64 Source Classification Code: 3-09-030-06  
Process Description: STEEL GRINDING- tool room

Emission Source/Control: E0064 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: I0064 - Process

**Item 29.5:**

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

Emission Unit: U-00002  
Process: P68 Source Classification Code: 3-09-030-06  
Process Description: CAST IRON MACHINING L 18 case

Emission Source/Control: E0068 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: I0068 - Process

**Item 29.6:**

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



Emission Unit: U-00002  
Process: P72 Source Classification Code: 3-09-030-06  
Process Description: L 850 CRANK SHAFT Dry machining operation

Emission Source/Control: E0072 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: I0072 - Process

**Item 29.7:**

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

Emission Unit: U-00002  
Process: P73 Source Classification Code: 3-09-030-06  
Process Description: L 850 CRANK SHAFT Dry machining

Emission Source/Control: E0073 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: I0073 - Process

**Item 29.8:**

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

Emission Unit: U-00002  
Process: P94 Source Classification Code: 3-09-030-06  
Process Description:

This process includes several aluminum and steel wet machining lines for the manufacture of engine blocks. Machining operations include milling, drilling, boring, tapping, reaming, grinding, honing, and other miscellaneous operations like leak testing and assembly of bore liners. Wet machining is a multistep process that shapes and finishes metal parts and uses fluids for cooling and lubrication. The fluid used will be water with water soluble oils. The particular type of oil used will depend upon the part being machined and the type of machining being performed ( rough, finish). Emissions will be venting to mist eliminators with a media filter or equivalent. The machining operations in this process that use coolants are trivial per 6 NYCRR part 201-3.3(c)(57)., " Equipment lubricating systems, including metal cutting coolants and oils".

Emission Source/Control: E0094 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: E0095 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: E0096 - Control  
Control Type: MIST ELIMINATOR



Emission Source/Control: E0097 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: I0094 - Process

**Item 29.9:**

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

Emission Unit: U-00002  
Process: P98 Source Classification Code: 3-09-030-06  
Process Description:

This process includes several aluminum and steel wet machining lines for the manufacture of engine heads. Similar to wet machining of engine blocks the particular type of oil used will depend upon the part being machined and the type of machining being performed ( rough, finish). Emissions will be venting to mist eliminators with a media filter or equivalent. The machining operations in this process that use coolants are trivial per 6 NYCRR part 201-3.3(c)(57)., " Equipment lubricating systems, including metal cutting coolants and oils".

Emission Source/Control: E0098 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: E0099 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: E0100 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: I0098 - Process

**Item 29.10:**

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

Emission Unit: U-00004  
Process: 109 Source Classification Code: 2-02-002-07  
Process Description:

Emission unit includes two natural gas pumps used to pump river water to cool plant machining operations. Pumps are located in the river pump house just east of the Niagara river.

Emission Source/Control: EE109 - Combustion  
Design Capacity: 585 horsepower (mechanical)

Emission Source/Control: EE110 - Combustion  
Design Capacity: 585 horsepower (mechanical)

Emission Source/Control: E0109 - Control

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Control Type: CATALYTIC REDUCTION

Emission Source/Control: E0110 - Control

Control Type: CATALYTIC REDUCTION

**Condition 30: Emission Unit Permissible Emissions**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

**Applicable Federal Requirement:6 NYCRR 201-7.2**

**Item 30.1:**

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

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

Emission Unit: U-00004

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 78,000 pounds per year

**Condition 31: Compliance Certification**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

**Applicable Federal Requirement:6 NYCRR 201-6.5 (f) (1)**

**Item 31.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

**Item 31.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission Unit U0002 is comprised of numerous engine component machining lines throughout plants 1, 4 and inline all of which maintain an air washer, bagfilter, or mist eliminator for emissions that are vented to the ambient air. The contaminant of concern is particulates and emissions are minimal after control. The following operational flexibility plan will address the needs of the facility for locating and replacing of equipment without requiring a minor permit modification of this title V permit. This condition will ease the permitting burden for GM and the Department considering the significant number of sources and the frequent changes that occur.

Automated machining operations such as drilling, honing, grinding, balancing, polishing and other miscellaneous



operations that are involved in engine building may be added or removed from any process identified in this permit as long as the overall emissions increase or decrease is tracked as necessary in order to determine appropriate loading and control of particulates and applicability of State and Federal regulations. Regulations of concern are 6 NYCRR part 212.4 ( particulate standard of 0.05 grains/dscf) and 40 cfr 52.21, Prevention of Significant Deterioration (PSD). The deminimus increase of particulates based on "Emission Rate Potential", prior to control, is 25 tons per year (tpy) particulate matter and 15 tpy of PM -10 emissions. Emissions increases greater than the PSD deminimus must be approved by permit prior to construction. Total actual emissions increases and decreases from non-excluded physical changes or changes in the method of operation during the five year period preceding any non-excluded physical change or change in the method of operation must be tracked and summed if the permittee wished to use emissions netting in determining PSD applicability for individual projects for which there is a significant emissions increase from the project standing alone.

The addition and or replacement of air washers, bagfilters, or mist eliminators is permitted as long as the criteria mentioned above is followed.

Changes to air cleaning equipment and increases in emissions can be handled by letter to this office addressing the date the change took place, the type of change, and a discussion of the environmental impact as a result of this change. All notifications must be submitted within 7 days prior to the date the change occurs.

Reference Test Method: EPA method 5  
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 7/30/2010.  
Subsequent reports are due every 6 calendar month(s).

**Condition 32: Compliance Certification**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

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

**Item 32.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: U-00002



**Item 32.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Particulate emissions are limited to 0.05 grains/dscf.  
Compliance is maintained thru air washer maintenance program for those processes that require operation of a control device to meet the particulate limit. A maintenance plan and records of such activity must be maintained on site.

Reference Test Method: EPA method 5

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 7/30/2010.

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

**Condition 33: Capping Monitoring Condition**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

**Applicable Federal Requirement:6 NYCRR 201-7.2**

**Item 33.1:**

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

6 NYCRR 231-2.2

**Item 33.2:**

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

**Item 33.3:**

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

**Item 33.4:**

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



**Item 33.5:**

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

**Item 33.6:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

Regulated Contaminant(s):

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

**Item 33.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Two 585 horsepower Waukesha internal combustion engines are used to pump river water for plant equipment cooling. The emission rate potential (ERP) for Nitrogen Oxide (NOx) emissions from both engines is 143.17 tons per year. The NOx emissions will be controlled with catalytic reduction units to avoid applicability of New Source Review. The catalytic reduction units must be operable and maintained at all times that the engines are in use except for during initial engine break in and engine rebuild break in periods of approximately 140 hours per engine per rebuild. This will ensure that the applicable limit of 40 tons of NOx per year, which is the New Source Review de minimus under 6 NYCRR 231-2, is not exceeded.

When the units are used in continuous service, and not as backup to the electric pumps, the manufacturers maintenance recommendations and/or good engineering practice must be adhered to including the following:

- 1) At a fixed load, speed, ignition timing, and exhaust oxygen sensor mV reading, monitor and record the catalyst delta temperature (T) and delta pressure (P) at installation and monthly thereafter.
- 2) If the delta T changes from fresh conditions by more than + 25 degrees F, check the engine for misfiring conditions, and/or inspect the catalyst for damage or fouling.
- 3) If the delta P changes from fresh conditions by more than 2" W.C., inspect the catalyst for damage or fouling
- 4) Inspect the catalyst annually for damage or fouling and check the emission performance at rated conditions using a

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portable analyzer or equivalent once every five years.

Semi annual reporting requirements referenced below shall consist of deviations only.

Parameter Monitored: TEMPERATURE CHANGE

Upper Permit Limit: 39 tons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2010.

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



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

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

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

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

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

**STATE ONLY APPLICABLE REQUIREMENTS**  
**The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.**

**Condition 34: Contaminant List**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

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

**Item 34.1:**  
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

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



CAS No: 0NY998-00-0

Name: VOC

**Condition 35: Unavoidable noncompliance and violations  
Effective between the dates of 05/19/2010 and 05/18/2015**

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

**Item 35.1:**

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

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

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

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

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

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(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

**Condition 36: Air pollution prohibited**  
**Effective between the dates of 05/19/2010 and 05/18/2015**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 36.1:**

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.

