



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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 8-2632-00138/00006  
Effective Date: 06/21/1999                      Expiration Date: No expiration date

Permit Issued To: DELPHI AUTOMOTIVE SYSTEMS LLC  
5725 DELPHI DR  
TROY, MI 48098-2815

Contact: JOHN JAFFURS  
DELPHI AUTOMOTIVE SYSTEMS LLC  
5725 DELPHI DRIVE  
TROY, MI 48098-2815  
(313) 556-2278

Facility: DELPHI AUTOMOTIVE SYSTEMS - HENRIETTA  
5500 W HENRIETTA RD  
HENRIETTA, NY 14586

Contact: ELISA DELLA-TORRE  
DELPHI E - HENRIETTA ENGINEERING CENTER  
PO BOX 20366  
ROCHESTER, NY 14602-0366  
(585) 359-6224

Description:  
Initial State Facility Air Permit for a research and development facility that specializes in engine fuel systems. This permit contains federally enforceable conditions that limit facility emissions below Title V thresholds of the following contaminants: Particulates including PM-10, Sulfur Dioxide (SO<sub>2</sub>), Oxides of Nitrogen (NO<sub>x</sub>), Carbon Monoxide (CO), Lead, Volatile Organic Compounds (VOCs), and Hazardous Air Pollutants (HAPs).

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: PETER A LENT  
DIVISION OF ENVIRONMENTAL PERMITS  
6274 EAST AVON LIMA RD  
AVON, NY 14414-9519

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 and Modifications
- Permit Modifications, Suspensions, and Revocations by the Department

**Facility Level**

- Submission of Applications for Permit Modification or Renewal -REGION  
8 HEADQUARTERS



**DEC GENERAL CONDITIONS**  
**\*\*\*\* General Provisions \*\*\*\***  
**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: 6 NYCRR 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**

**Applicable State Requirement: 6 NYCRR 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 is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
- b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
- c) new material information is discovered; or
- d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.

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

**Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 8 HEADQUARTERS**

**Applicable State Requirement: 6 NYCRR 621.5 (a)**

**Item 5.1:**

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

NYSDEC Regional Permit Administrator  
Region 8 Headquarters  
Division of Environmental Permits  
6274 Avon-Lima Road  
Avon, NY 14414-9519  
(716) 226-2466

**New York State Department of Environmental Conservation**

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Facility DEC ID: 8263200138



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

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY  
PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: DELPHI AUTOMOTIVE SYSTEMS LLC  
5725 DELPHI DR  
TROY, MI 48098-2815

Facility: DELPHI AUTOMOTIVE SYSTEMS - HENRIETTA  
5500 W HENRIETTA RD  
HENRIETTA, NY 14586

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

Permit Effective Date: 06/21/1999  
date.

Permit Expiration Date: No expiration  
date.



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 6 NYCRR 200.5: Sealing
- 2 6 NYCRR 200.6: Acceptable ambient air quality
- 3 6 NYCRR 200.7: Maintenance of equipment
- 4 6 NYCRR 201-1.1 (a): Contaminant List
- 5 6 NYCRR 201-1.2: Unpermitted Emission Sources
- 6 6 NYCRR 201-1.4: Unavoidable Noncompliance and Violations
- 7 6 NYCRR 201-1.5: Emergency Defense
- 8 6 NYCRR 201-1.7: Recycling and Salvage
- 9 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the Air
- 10 6 NYCRR 201-1.10 (a): Public Access to Recordkeeping
- 11 6 NYCRR 201-3.2 (a): Proof of Eligibility
- 12 6 NYCRR 201-3.3 (a): Proof of Eligibility
- 13 6 NYCRR 201-7.2: Facility Permissible Emissions
- \*14 6 NYCRR 201-7.2: Compliance Demonstration
- \*15 6 NYCRR 201-7.2: Compliance Demonstration
- \*16 6 NYCRR 201-7.2: Compliance Demonstration
- \*17 6 NYCRR 201-7.2: Compliance Demonstration
- \*18 6 NYCRR 201-7.2: Compliance Demonstration
- \*19 6 NYCRR 201-7.2: Compliance Demonstration
- \*20 6 NYCRR 201-7.2: Compliance Demonstration
- 21 6 NYCRR 202-1.1: Required emissions tests
- 22 6 NYCRR 211.3: Visible emissions limited.
- 23 6 NYCRR Part 215: Open Fires Prohibited at Industrial and Commercial Sites
- 24 40CFR 82.154, Subpart F: Class I/II recycling and emissions reduction

### STATE ONLY ENFORCEABLE CONDITIONS

#### Facility Level

- 25 6 NYCRR Subpart 201-5: General Provisions
- 26 6 NYCRR 211.2: Air pollution prohibited

NOTE: \* preceding the condition number indicates capping.



**FEDERALLY ENFORCEABLE CONDITIONS**

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

**Condition 1: Sealing**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

**Applicable Federal Requirement:6 NYCRR 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 06/21/1999 and Permit Expiration Date**

**Applicable Federal Requirement:6 NYCRR 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.

**Condition 3: Maintenance of equipment**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

**Applicable Federal Requirement:6 NYCRR 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.

**Condition 4: Contaminant List**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**





**Applicable Federal Requirement:6 NYCRR 201-1.1 (a)**

**Item 4.1:**

Emissions of the following contaminants are allowed under this permit.

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY075-00-5

Name: PM-10

CAS No: 0NY100-00-0

Name: HAP

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0

Name: VOC

**Item 4.2:**

The Facility is authorized to emit the regulated contaminants cited in Item 4.1 from the emission units specified in this permit.

**Condition 5: Unpermitted Emission Sources**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

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

**Item 5.1:**

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 6: Unavoidable Noncompliance and Violations**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

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



**Item 6.1:**

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 7: Emergency Defense**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

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

**Item 7.1:**

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.

(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.

**Condition 8: Recycling and Salvage**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

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

**Item 8.1:**

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 9: Prohibition of Reintroduction of Collected Contaminants to the Air**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

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

**Item 9.1:**

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 10: Public Access to Recordkeeping**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

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

**Item 10.1:**

Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1) , and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source

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owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

**Condition 11: Proof of Eligibility**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

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

**Item 11.1:**

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 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 12: Proof of Eligibility**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

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

**Item 12.1:**

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.

**Condition 13: Facility Permissible Emissions**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

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

**Item 13.1:**

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: 198,000 pounds per year
Name: CARBON MONOXIDE	
CAS No: 007446-09-5	PTE: 198,000 pounds per year
Name: SULFUR DIOXIDE	
CAS No: 0NY075-00-0	PTE: 198,000 pounds per year
Name: PARTICULATES	

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

PTE: 198,000 pounds per year

CAS No: 0NY100-00-0  
Name: HAP

PTE: 48,000 pounds per year

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

PTE: 198,000 pounds per year

CAS No: 0NY998-00-0  
Name: VOC

PTE: 98,000 pounds per year

**Condition 14: Compliance Demonstration**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

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

**Item 14.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 14.2:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ACTUAL ANNUAL EMISSIONS OF VOLATILE ORGANIC COMPOUNDS FROM OPERATIONS SUBJECT TO THIS PERMIT AT THE HENRIETTA ENGINEERING CENTER SHALL NOT EXCEED 49 TONS PER 12-MONTH PERIOD ROLLED MONTHLY. EMISSIONS SHALL BE CALCULATED USING THE PRODUCT OF ANNUAL USAGE OF FUEL OR SOLVENT USAGE, AND THE APPROPRIATE EMISSION FACTORS AS DESCRIBED BELOW:

1) GAS-FIRED BOILERS:  
(Annual natural gas usage) \* (5.5 lbs. / million cubic feet of natural gas)  
Emission factor from the EPA Compilation of Air Pollutant Emission Factors AP-42.

2) ENGINE TEST STANDS:  
(Annual natural gas usage) \* (0.2 lbs. / gallon of gasoline)

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Emission factor from the Clayton  
Environmental Study at the General Motors  
Warren R&D facility.

3) GASOLINE FLOW TEST STANDS:  
(annual gasoline evaporative losses) \*  
(100%)

4) STODDARD SOLVENT TEST STANDS:

(annual stoddard solvent evaporative  
losses) \* (100%)

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (ANNIVERSARY)

Initial Report Due: 07/20/2000 for the period 06/21/1999 through 06/20/2000

**Condition 15: Compliance Demonstration**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

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

**Item 15.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 15.2:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ACTUAL ANNUAL EMISSIONS OF PARTICULATES  
FROM OPERATIONS SUBJECT TO THIS PERMIT AT  
THE HENRIETTA ENGINEERING CENTER SHALL  
NOT EXCEED 99 TONS PER 12-MONTH PERIOD  
ROLLED MONTHLY. EMISSIONS SHALL BE  
CALCULATED AS THE PRODUCT OF THE MOST  
RECENT EMISSION FACTORS FROM THE EPA  
COMPILATION OF AIR POLLUTANT EMISSION  
FACTORS AP-42, AND ANNUAL USAGE OF  
NATURAL GAS AND GASOLINE.

GAS-FIRED BOILERS:

(annual natural gas usage) \* (7.6 lbs. /  
million cubic feet of natural  
gas)

Emission factor from the EPA Compilation

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of Air Pollutant Emission Factors  
AP-42.

ENGINE TEST STAND:  
(annual gasoline usage) \* (0.013 lbs. /  
gallon of gasoline)  
Emission factor from the EPA Compilation  
of Air Pollutant Emission Factors  
AP-42.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (ANNIVERSARY)

Initial Report Due: 07/20/2000 for the period 06/21/1999 through 06/20/2000

**Condition 16: Compliance Demonstration**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

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

**Item 16.1:**

The Compliance Demonstration activity will be performed for the Facility.

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

**Item 16.2:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ACTUAL ANNUAL EMISSIONS OF CAA HAZARDOUS  
AIR POLLUTANTS FROM OPERATIONS SUBJECT TO  
THIS PERMIT AT THE HENRIETTA ENGINEERING  
CENTER SHALL NOT EXCEED 24 TONS PER  
12-MONTH PERIOD ROLLED MONTHLY.  
ADDITIONALLY, ACTUAL ANNUAL EMISSIONS OF  
INDIVIDUAL CAA HAZARDOUS AIR POLLUTANTS  
SHALL NOT EXCEED 9 TONS PER 12-MONTHS.

TOTAL HAP EMISSIONS SHALL BE CALCULATED  
USING THE PRODUCT OF ANNUAL USAGE OF FUEL  
OR SOLVENT USAGE, AND THE APPROPRIATE  
EMISSION FACTORS AS DESCRIBED  
BELOW:

1) GAS-FIRED BOILERS:  
(Annual natural gas usage) \* (1.89 lbs. /  
million cubic feet of natural

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gas)  
Emission factor from the EPA Compilation  
of Air Pollutant Emission Factors  
AP-42.

2) ENGINE TEST STANDS:  
(Annual gasoline usage) \* (0.011 lbs. /  
gallon of gasoline)  
Emission factor from the Air Quality  
Improvement Research Program (AQIRP)  
Database for Toxics from  
dynamometers.

3) GASOLINE FLOW TEST STANDS:  
(Annual gasoline evaporative losses) \*  
(5.2%)  
Emission factor from gasoline HAP  
composition in USEPA Document  
453/R-94-002a.

4) STODDARD SOLVENT TEST STANDS:  
  
(annual stoddard solvent evaporative  
losses) \* ( 1.2%)  
Emission factor from General Motors  
Stoddard Solvent MSDS HAP composition.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (ANNIVERSARY)

Initial Report Due: 07/20/2000 for the period 06/21/1999 through 06/20/2000

**Condition 17: Compliance Demonstration**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

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

**Item 17.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 17.2:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ACTUAL ANNUAL EMISSIONS OF PM-10 FROM  
OPERATIONS SUBJECT TO THIS PERMIT AT THE  
HENRIETTA ENGINEERING CENTER SHALL NOT





EXCEED 99 TONS PER 12-MONTH PERIOD ROLLED MONTHLY. EMISSIONS SHALL BE CALCULATED AS THE PRODUCT OF THE MOST RECENT EMISSION FACTORS FROM THE EPA COMPILATION OF AIR POLLUTANT EMISSION FACTORS AP-42, AND ANNUAL FACILITY USAGE OF NATURAL GAS AND GASOLINE.

GAS-FIRED BOILERS:  
(annual natural gas usage) \* (7.6 lbs. / million cubic feet of natural gas)  
Emission factor from the EPA Compilation of Air Pollutant Emission Factors AP-42.

ENGINE TEST STAND:  
(annual gasoline usage) \* (0.013 lbs. / gallon of gasoline)  
Emission factor from the EPA Compilation of Air Pollutant Emission Factors AP-42.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (ANNIVERSARY)

Initial Report Due: 07/20/2000 for the period 06/21/1999 through 06/20/2000

**Condition 18: Compliance Demonstration**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

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

**Item 18.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 18.2:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ACTUAL ANNUAL EMISSIONS OF OXIDES OF NITROGEN FROM OPERATIONS SUBJECT TO THIS PERMIT AT THE HENRIETTA ENGINEERING CENTER SHALL NOT EXCEED 99 TONS PER 12-MONTH ROLLED MONTHLY. EMISSIONS SHALL BE CALCULATED AS THE PRODUCT OF THE APPROPRIATE EMISSION FACTORS, AND ANNUAL



FACILITY USAGE OF NATURAL GAS AND  
GASOLINE AS DESCRIBED BELOW:

GAS-FIRED BOILERS:

(annual natural gas usage) \* (100 lbs. /  
million cubic feet of natural  
gas)

Emission factor from the EPA Compilation  
of Air Pollutant Emission Factors  
AP-42.

ENGINE TEST STAND:

(annual gasoline usage) \* (0.2 lbs. /  
gallon of gasoline)

Emission factor from the Clayton  
Environmental Study at the General Motors  
Warren R&D facility.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (ANNIVERSARY)

Initial Report Due: 07/20/2000 for the period 06/21/1999 through 06/20/2000

**Condition 19: Compliance Demonstration**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

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

**Item 19.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 19.2:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ACTUAL ANNUAL EMISSIONS OF SULFUR  
DIOXIDE FROM OPERATIONS SUBJECT TO THIS  
PERMIT AT THE HENRIETTA ENGINEERING  
CENTER SHALL NOT EXCEED 99 TONS PER  
12-MONTH PERIOD ROLLED MONTHLY.  
EMISSIONS SHALL BE CALCULATED AS THE  
PRODUCT OF THE MOST RECENT EMISSION  
FACTORS FROM THE EPA COMPILATION OF AIR  
POLLUTANT EMISSION FACTORS AP-42, AND  
ANNUAL FACILITY USAGE OF NATURAL GAS AND



GASOLINE.

GAS-FIRED BOILERS:

(annual natural gas usage) \* (0.6 lbs. /  
million cubic feet of natural  
gas)

Emission factor from the EPA Compilation  
of Air Pollutant Emission Factors  
AP-42.

ENGINE TEST STAND:

(annual gasoline usage) \* (0.011 lbs. /  
gallon of gasoline)

Emission factor from the EPA Compilation  
of Air Pollutant Emission Factors  
AP-42.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (ANNIVERSARY)

Initial Report Due: 07/20/2000 for the period 06/21/1999 through 06/20/2000

**Condition 20: Compliance Demonstration**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

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

**Item 20.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 20.2:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ACTUAL ANNUAL EMISSIONS OF CARBON  
MONOXIDE FROM OPERATIONS SUBJECT TO THIS  
PERMIT AT THE HENRIETTA ENGINEERING  
CENTER SHALL NOT EXCEED 99 TONS PER  
12-MONTH PERIOD ROLLED MONTHLY.  
EMISSIONS SHALL BE CALCULATED AS THE  
PRODUCT OF THE APPROPRIATE EMISSION  
FACTORS, AND THE ANNUAL FACILITY USAGE OF  
NATURAL GAS AND GASOLINE AS DESCRIBED  
BELOW:



GAS-FIRED BOILERS:  
(annual natural gas usage) \* (84 lbs. /  
million cubic feet of natural  
gas)  
Emission factor from the EPA Compilation  
of Air Pollutant Emission Factors  
AP-42.

ENGINE TEST STAND:  
(annual gasoline usage) \* (3.0 lbs. /  
gallon of gasoline)  
Emission factor from the Clayton  
Environmental Study at the General Motors  
R&D facility.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (ANNIVERSARY)

Initial Report Due: 07/20/2000 for the period 06/21/1999 through 06/20/2000

**Condition 21: Required emissions tests**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

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

**Item 21.1:**

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.

**Condition 22: Visible emissions limited.**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

**Applicable Federal Requirement:6 NYCRR 211.3**

**Item 22.1:**

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 23: Open Fires Prohibited at Industrial and Commercial Sites**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

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

**Item 23.1:**

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.



**Condition 24: Class I/II recycling and emissions reduction**  
**Effective between the dates of 06/21/1999 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 82.154, Subpart F**

**Item 24.1:**

Facilities maintaining, servicing, repairing, or disposing of appliances must comply with the provisions of this section.



**STATE ONLY ENFORCEABLE CONDITIONS**

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

**Condition 25: General Provisions**

**Effective between the dates of 06/21/1999 and Permit Expiration Date**

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

**Item 25.1:**

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 25.2:**

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 25.3:**

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

**Condition 26: Air pollution prohibited**

**Effective between the dates of 06/21/1999 and Permit Expiration Date**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 26.1:**

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.

