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Facility Name: **General Motors Corporation-Moraine Plant**

Application Number: **08-3893**

Date: **November 4, 1998**

### **GENERAL PERMIT CONDITIONS**

#### **TERMINATION OF PERMIT TO INSTALL**

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

#### **NOTICE OF INSPECTION**

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

#### **CONSTRUCTION OF NEW SOURCES**

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code (OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as

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an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet applicable standards.

### **PERMIT TO INSTALL FEE**

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

### **PUBLIC DISCLOSURE**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC Rule 3745-49-03.

### **APPLICABILITY**

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

### **BEST AVAILABLE TECHNOLOGY**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

### **PERMIT TO OPERATE APPLICATION**

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement

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of operation.

### **SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION**

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
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AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **General Motors Corporation-Moraine Plant** located in **Montgomery** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
K034	Maintenance Paint Booth	*	3745-31-05	7 lbs/hr, 40 lbs/day, and 4.20 tons VOC/year;
			3745-21-07 (G) (2)	Less stringent than the VOC emission limit established for BAT;
			3745-21-09 (U) (2) (e)	Less than or equal to 8.0 gallons of coating/day;

\* BAT is compliance with applicable OAC rules, specified emission limitations, and the employment of a dry exhaust filtration system with an operating control efficiency of 90%; recordkeeping and reporting requirements.

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#### SUMMARY

#### TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
VOC	4.20

#### WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

#### MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

#### MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Regional Air Pollution Control Agency, 451 West Third Street, P.O. Box 972, Dayton, Ohio 45422.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution

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sources.

**AIR POLLUTION NUISANCES PROHIBITED**

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

**NINETY DAY OPERATING PERIOD**

The facility will be permitted to operate during a 90-day period in accordance with OAC Rule 3745-35-02(C)(4)(b). The purpose of this period of operation is to fulfill the performance tests conditions used in the determination of compliance with the provisions of this Permit to Install or other applicable Ohio EPA rules.

**CONSTRUCTION COMPLIANCE CERTIFICATION**

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

**ADDITIONAL SPECIAL TERMS AND CONDITIONS**

**A. Potential to Emit**

The pound per hour emission rates for volatile organic compounds are established to reflect potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limits.

**B. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information each day for emissions unit K034:
  - a. the company identification for each coating employed;

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- b. the volume, in gallons, of each coating employed; and,
    - c. the total volume, in gallons, of all of the coatings employed (for the purposes of this permit the daily summation can be completed at the end of each month).
  2. The permittee shall collect and record the following information for each month for emissions unit K034:
    - a. the company identification for each coating employed;
    - b. the volume, in gallons, of each coating employed;
    - c. the volatile organic compound content of each coating, in pounds per gallon;
    - d. the total volatile organic compound emission rate for all coatings, in pounds;
    - e. the total number of days the emissions unit was in operation; and,
    - f. the average daily volatile organic compound emission rate for all coatings, i.e., (d)/(e), in pounds per day (average).
  3. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. Such records may be maintained in computerized form.

### **C. Reporting Requirements**

1. The permittee shall notify the Director (Regional Air Pollution Control Agency) in writing of any daily record showing that the maintenance paint booth employed more than 8 gallons of coating material per

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day. The notification shall include a copy of such record and shall be sent to the Director (Regional Air Pollution Control Agency) within 45 days after the exceedance occurs.

2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:

An identification of each day during which the average daily volatile organic compound emissions exceeded 40 pounds, and the actual volatile organic compound emissions for each such day.

3. The permittee shall submit required reports in the following manner:
  - a. reports of any required monitoring and/or record keeping information shall be submitted to the Regional Air Pollution Control Agency; and,
  - b. except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the Regional Air Pollution Control Agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

#### **D. Testing Requirements and Compliance Method Determinations**

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Compliance with the emission limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):

1. Emission Limitation -

4.2 tons OC per year

Applicable Compliance Method -

Compliance shall be the sum of the record keeping requirements contained in Sections B.2.d. for the calendar year.

2. Emission Limitation -

7.0 pounds OC per hour

Applicable Compliance Method -

Compliance shall be determined by multiplying the maximum potential hourly coating usage rate, 2.0 gallons, by the maximum VOC content of the coating, 3.5 pounds per gallon, minus water and exempt solvents.

3. Emission Limitation -

40 pounds OC per day

Applicable Compliance Method -

Compliance shall be determined by the record keeping requirements contained in Section B.2.f. of this permit.

4. Emission Limitation -

Less than or equal to 8.0 gallons of coating per day

Applicable Compliance Method -

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Compliance shall be based upon the record keeping specified in Section B.1.c.

5. Formulation data or USEPA Method 24 shall be used to determine the organic compound content of the coatings employed in this emission unit.