

1

Facility Name: **D & G Auto Body**

Application Number: **16-1837**

Date: **February 18, 1999**

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

2

Facility Name: **D & G Auto Body**

Application Number: **16-1837**

Date: **February 18, 1999**

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.

3

Facility Name: **D & G Auto Body**

Application Number: **16-1837**

Date: **February 18, 1999**

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 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.

4

Facility Name: **D & G Auto Body**

Application Number: **16-1837**

Date: **February 18, 1999**

5

Facility Name: **D & G Auto Body**

Application Number: **16-1837**

Date: **February 18, 1999**

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

AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **D & G Auto Body** located in **Portage** 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 & OAC Rules</u>	
				3745-17-07 (B)
K001	Refinish metal auto body	Compliance with Ohio EPA Air Toxic Policy	3745-31-05	3745-17-11
				3745-21-09 (U)

Facility Name: **D & G Auto Body**

Application Number: **16-1837**

Date: **February 18, 1999**

<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
	e organic compounds (VOC) per hour and 0.56 ton per year when applying cleanup material.			
Permit Allowable Emissions and/or Control/Usage Requirements	0.551 pound of particulate matter (PM) per hour and 0.17 ton per year.			
2.56 pounds of volatile organic compounds (VOC) per hour and 0.77 ton per year when applying the surface coating .	See B.1. of Additional Special Terms and Conditions See A.1. of Additional Special Terms and Conditions. See B.2. of Additional Special Terms and Conditions			
1.87 pounds of volatile				

Facility Name: **D & G Auto Body**

Application Number: **16-1837**

Date: **February 18, 1999**

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

SUMMARY

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
Total Volatile Organic Compounds (VOC)	1.33
Particulate Matter (PM)	0.17

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.

8

Facility Name: **D & G Auto Body**

Application Number: **16-1837**

Date: **February 18, 1999**

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 **Akron Air Pollution Control, 146 South High Street, Room 904, Akron, OH 44308.**

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 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.

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. Additional Terms and Conditions

1. Emission restriction requirements for this emissions unit are specified in "Table I" of OAC rule 3745-17-11.

B. Operational Restrictions

1. Visible particulate emissions shall not exceed twenty percent opacity as a three-minute average.
2. The emissions unit shall only be operated to repaint (refinish) used motor

9

Facility Name: **D & G Auto Body**

Application Number: **16-1837**

Date: **February 18, 1999**

vehicles and trailers.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month:

Facility Name: **D & G Auto Body**

Application Number: **16-1837**

Date: **February 18, 1999**

- a. the company identification for each coating and cleanup material employed;
- b. the number of gallons of each coating and cleanup material employed;
- c. the VOC content of each coating and cleanup material, in pounds per gallon;
- d. the total VOC emission rate for all coatings and cleanup materials, in pounds per month;
- e. the total number of hours the emissions unit was in operation; and,
- f. the average hourly VOC emission rate for all coatings and cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit.]

2. The permittee shall collect and record the following information for each change where the air toxic modeling was required pursuant to the Air Toxic Policy:
 - a. background data that describes the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.); and,
 - b. a copy of the resulting computer model runs that show the results of the application of the Air Toxic Policy for the change.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. an identification of each period during which the VOC emissions from all coatings exceeded 2.56 pounds per hour, and the actual VOC emissions for each such period; and,
 - b. an identification of each period during which the VOC emissions

Facility Name: **D & G Auto Body**

Application Number: **16-1837**

Date: **February 18, 1999**

from all cleanup materials exceeded 1.87 pounds per hour, and the actual VOC emissions for each such period.

2. The deviation reports shall be submitted in the following manner:
 - a. reports of any required monitoring and/or recordkeeping information shall be submitted to the Akron Air Pollution Control; 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 recordkeeping 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 Akron Air Pollution Control. 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).
3. The permittee shall also submit annual reports which specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the emission limitation(s) in Emissions Summary of this permit shall be determined in accordance with the following method(s):

- a. Emission Limitation

2.56 pounds of VOC per hour and 0.77 ton of VOC per year when applying surface coating

Applicable Compliance Method

The permittee shall demonstrate compliance with the above limit based upon the recordkeeping requirements of Section C.1.

OAC rule 3745-21-10(B). USEPA Methods 24 and 24A shall be

Facility Name: **D & G Auto Body**

Application Number: **16-1837**

Date: **February 18, 1999**

used to determine the VOC contents for coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

To comply with the pounds per hour limitation, multiply the VOC contents of the coatings by the number of gallons coated per hour.

To comply with the ton per year limitation, multiply the pound per hour limit by the maximum operating hours per year and divide by 2000 pounds per ton.

b. Emission Limitation

1.87 pounds of VOC per hour and 0.56 ton of VOC per year when applying cleanup material

Applicable Compliance Method

The permittee shall demonstrate compliance with the above limit based upon the recordkeeping requirements of Section C.1.

To comply with the pounds per hour limitation, multiply the VOC content of the cleanup material by the number of gallons per year, and divide the average number of hours per year, 300.

To comply with the ton per year limitation, multiply the pound per hour limit by the maximum operating hours per year and divide by 2000 pounds per ton.

c. Emission Limitation

0.551 pound of particulate matter (PM) per hour and 0.17 ton per year.

Twenty percent opacity as a three-minute average

Facility Name: **D & G Auto Body**

Application Number: **16-1837**

Date: **February 18, 1999**

Applicable Compliance Method

To determine the actual worst case particulate emissions rate, the following equation shall be used:

$$E = U * P * (1 - CE)$$

E = the particulate emission rate in pounds per hour

U = maximum coating usage rate in gallons per hour

P = particulate emissions factor rate for paint (worst case) 5.5 PM (pounds/gallon)

CE = fractional control efficiency of the control equipment (CE=0.996)

To comply with the ton per year limitation, multiply the pound per hour limit by the maximum operating hours per year and divide by 2000 pounds per ton.

d. Emission Limitation

Twenty percent opacity as a three-minute average

Applicable Compliance Method

OAC rule 3745-17-03(B)(1)

F. Miscellaneous Requirements

1. This permit allows the use of materials (typically coatings and cleanup materials) specified by the permittee in the permit to install application for this emissions unit. To fulfill the best available technology requirements of (OAC) rule 3745-31-05 and to ensure compliance with OAC rule 3745-15-07 (Air Pollution Nuisances Prohibited), the emission limitation(s) specified in this permit was (were) established using the Ohio EPA's "Air Toxic Policy" and is (are) based on both the materials used and the design parameters of the emissions unit's exhaust system, as specified in the application. The Ohio EPA's "Air Toxic Policy" was applied for each pollutant using the SCREEN 3.0 model and comparing the predicted 1-hour maximum ground-level concentration to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for each pollutant:

Pollutant: hexane

Facility Name: **D & G Auto Body**

Application Number: **16-1837**

Date: **February 18, 1999**

TLV (ug/m3): 176

Maximum Hourly Emission Rate (lbs/hr): 4.43

Predicted 1 Hour Maximum Ground-Level Concentration at the Fenceline (ug/m3): 82.22

Maximum Acceptable Ground-Level Concentration (MAGLC) (ug/m3): 4190

OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by the OAC rule 3745-31-01. The permittee is hereby advised that the following changes to the process may be determined to be a "modification":

- a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value specified in the above table;
- b. changes to the emissions unit or its exhaust parameters (e.g., increased emission rate [not including an increase in an "allowable" emission limitation specified in the terms and conditions of this permit], reduced exhaust gas flow rate, and decreased stack height);
- c. changes in the composition of the materials used, or use of new materials, that would result in the emission of an air contaminant not previously permitted; and,
- d. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant that has a listed TLV.

The Ohio EPA will not consider any of the above-mentioned as a "modification" requiring a permit to install, if the following conditions are met:

Facility Name: **D & G Auto Body**

Application Number: **16-1837**

Date: **February 18, 1999**

- a. the change is not otherwise considered a "modification" under OAC Chapter 3745-31;
- b. the permittee can continue to comply with the allowable emission limitations specified in its permit to install; and,
- c. prior to the change, the applicant conducts an evaluation pursuant to the Air Toxic Policy, determines that the changed emissions unit still satisfies the Air Toxic Policy, and the permittee maintains documentation that identifies the change and the results of the application of the Air Toxic Policy for the change.

For any change to the emissions unit or its method of operation that either would require an increase in the emission limitation(s) established by this permit or

16

Facility Name: **D & G Auto Body**

Application Number: **16-1837**

Date: **February 18, 1999**

would otherwise be considered a "modification" as defined in OAC rule 3745-31-01, the permittee shall obtain a final permit to install prior to the change.