

1

Facility Name: **Auto Body Collision & Glass, Southeast**

Application Number: **01-7429**

Date: **September 10, 1998**

GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the

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 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

2

Facility Name: **Auto Body Collision & Glass, Southeast**

Application Number: **01-7429**

Date: **September 10, 1998**

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 of operation.

3

Facility Name: **Auto Body Collision & Glass, Southeast**

Application Number: **01-7429**

Date: **September 10, 1998**

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: **Auto Body Collision & Glass, Southeast**

Application Number: **01-7429**

Date: **September 10, 1998**

5

Facility Name: **Auto Body Collision & Glass, Southeast**

Application Number: **01-7429**

Date: **September 10, 1998**

<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 **Auto Body Collision & Glass, Southeast** located in **Franklin** 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>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
K001	Down draft prep station P-1	Use of filter on booth exhaust and compliance with Ohio EPA toxic policy and permit requirements.	3745-31-05 3745-21-09 (U) (2) (c) 3745-17-11	0.5 lbs VOC/hr, 1.8 tons VOC/yr, 0.02 lbs PM/hr, 0.07 tons PM/yr, and see Additional Special Terms and Conditions.
K002	Down draftspray booth F-1 w/curing oven	Use of filter on booth exhaust and compliance with Ohio EPA toxic policy and permit requirements	3745-31-05 3745-21-09 (U) (2) (c) 3745-17-11	0.5 lbs VOC/hr, 1.8 tons VOC/yr, 0.02 lbs PM/hr, 0.07 tons PM/yr, and see Additional Special Terms and Conditions.

Facility Name: **Auto Body Collision & Glass, Southeast**
 Application Number: **01-7429**
 Date: **September 10, 1998**

SUMMARY
 TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
VOC	3.6
PM	0.14

RECORD(S) RETENTION AND AVAILABILITY

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Central District Office, 3232 Alum Creek Drive, Columbus, Ohio 43207-3417.**

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

7

Facility Name: **Auto Body Collision & Glass, Southeast**

Application Number: **01-7429**

Date: **September 10, 1998**

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 **Central District Office, 3232 Alum Creek Drive, Columbus, Ohio 43207-3417.**

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. Operational Restrictions

1. The permittee shall use a fiberglass filter on the emissions unit exhaust outlet when the emissions unit is in operation.
2. The permittee shall not use more than 652 gallons of coating per year in this booth.
3. The permittee shall not use coatings with a VOC content

8

Facility Name: **Auto Body Collision & Glass, Southeast**

Application Number: **01-7429**

Date: **September 10, 1998**

greater than 6.22 lbs/gallon.

B. Monitoring and Recordkeeping Requirements

1. The permittee shall collect and record the following information each day for the coating line:
 - a. the name and identification number of each coating employed;
 - b. the volume, in gallons, of each coating employed;
 - c. the total volume, in gallons, of all of the coatings employed;
 - d. the VOC content of each coating and cleanup material, in pounds per gallon;
 - e. the total VOC emissions from all coatings and cleanup materials employed, in pounds or tons;
 - f. the total number of hours the emissions unit was in operation; and
 - g. the average hourly VOC emission rate for all coatings and cleanup materials, (e)/(f), in pounds per hour (average).
2. 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 coating formulation data, purchase records, solvent disposal and daily usage records required by the permit. Such records may be maintained in computerized form

C. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include an identification of each day during which the average hourly total VOC emissions exceeded 0.5 lbs VOC/hr, and the actual average hourly

Facility Name: **Auto Body Collision & Glass, Southeast**

Application Number: **01-7429**

Date: **September 10, 1998**

organic compound emissions for each such day.

2. The permittee shall also submit annual reports which specify the following information for this emissions unit for the previous calendar year:
 - a. the total VOC emissions in tons; and,
 - b. the total number of gallons of all coatings employed.
3. Reports of any required monitoring and/or recordkeeping information shall be submitted to the Central District Office.

D. Testing Requirements

1. Compliance with the emission limitation(s) shall be determined in accordance with the following method(s):

- a. Emission Limitation:

0.5 lbs VOC/hr; 1.8 tons/yr;

Applicable Compliance Method:

The following equation calculates the hourly emission rate:

$6.22 \text{ lbs VOC/gal} * 0.08 \text{ gallons/hr} = 0.49 \text{ lbs VOC/hr};$

The following equation calculates the hourly emission rate:

$0.49 \text{ lb VOC/gal} * 6 \text{ days/wk} * 52 \text{ wks/yr} * 24 \text{ hrs/day} * 1 \text{ ton}/2,000 \text{ lbs} = 1.8 \text{ tons VOC /yr}$

- b. Emission Limitation:

0.02 lbs PM/hr; 0.07 tons PM/yr;

Applicable Compliance Method:

Facility Name: **Auto Body Collision & Glass, Southeast**

Application Number: **01-7429**

Date: **September 10, 1998**

The following equation calculates the hourly emission rate:
 $10.98 \text{ lbs/gal} * 53\% \text{ PM/weight} * 0.08 \text{ gal/hr} * =$
 0.46 lbs PM/hr
 $0.5 \text{ lbs PM/hr} * 35\% \text{ (overspray)} * (1-$
 $90\%) \text{ (efficiency)} = 0.02 \text{ lbs PM/hr}$

The following equation calculates the hourly emission rate:
 $0.02 \text{ lb PM/hr} * 6 \text{ days/wk} * 52 \text{ wks/yr} * 24 \text{ hrs/day}$
 $* 1 \text{ ton}/2,000 \text{ lbs} = 0.07 \text{ tons PM/yr}$

E. Miscellaneous Requirements

1. This permit allows the use of coatings specified by the permittee in the application. In conjunction with the best available technology requirements of OAC rule

3745-31-05, the organic compound emission limitation(s) specified in this permit were established in accordance with the Ohio EPA's "Air Toxics Policy" and are based on material formulation data and the design parameters of the emissions unit's exhaust system, as specified in the application. Compliance with the Ohio EPA's "Air Toxics Policy" was demonstrated for each pollutant based on the screen 3 model and a comparison of the predicted 1 hour maximum ground-level concentration to the MAGLC. The following summarizes the results of the modeling for each pollutant:

Pollutant: xylene

TLV (ug/m3): 434,000 ug/m3

Maximum Hourly Emission Rate (lbs/hr): 0.3 lbs/hr

Predicted 1 Hour Maximum Ground-Level Concentration at the Fenceline (ug/m3): 50 ug/m3 @ 30 meters

Maximum Acceptable Ground-Level Concentration (MAGLC) (ug/m3): 10,333 ug/m3

2. Any of the following changes may be deemed a "modification" to the emissions unit and, as such, prior notification to and approval from the Ohio EPA Central District Office are required, including the

Facility Name: **Auto Body Collision & Glass, Southeast**

Application Number: **01-7429**

Date: **September 10, 1998**

possible issuance of modifications:

- a. any changes in the composition of the 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; and,
- b. any change to the emissions unit or its method of operation that would either require an increase in the emission limitation(s) established by this permit or would otherwise be considered a "modification" as defined in OAC rule 3745-31-01.