



State of Ohio Environmental Protection Agency

Street Address:

Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

07/27/01

CERTIFIED MAIL

RE: Final Title V Chapter 3745-77 permit

14-31-09-1117
Builders First Source Inc
Larry Sunderhaus
7600 Colerain Avenue
Cincinnati, OH 45202

Dear Larry Sunderhaus:

Enclosed is the Title V permit that allows you to operate the facility in the manner indicated in the permit. Because this permit may contain several conditions and restrictions, we urge you to read it carefully.

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Review Appeals Commission within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. It is also requested by the Director that a copy of the appeal be served upon the Environmental Enforcement Section of the Office of the Attorney General. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street
Room 300
Columbus, Ohio 43215

If you have any questions, please contact Hamilton County Dept. of Environmental Services.

Very truly yours,

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

cc: Hamilton County Dept. of Environmental Services
File, DAPC PMU



State of Ohio Environmental Protection Agency

FINAL TITLE V PERMIT

Issue Date: 07/27/01	Effective Date: 07/27/01	Expiration Date: 07/27/06
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This document constitutes issuance of a Title V permit for Facility ID: 14-31-09-1117 to:
 Builders First Source Inc
 7600 Colerain Avenue
 Cincinnati, OH 45202

Emissions Unit ID (Company ID)/Emissions Unit Activity Description

F001 (Top Shop Bag House) Dust collector for synthetic marble top shops	P901 (Mill and stair operation) Dust collector for stair and mill operations	R002 (Laminate Operation) Manufacture of custom laminated tops
P001 (Marblene Casting 1) Marblene Casting	R001 (Gelcoat Line 1) Gel coat spray booth	R003 (Gelcoat Line 2) Gel coat spray booth
P002 (Marblene Casting 2) Marblene Casting		

You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-04(A) and in accordance with the terms of this permit beyond the expiration date, provided that a complete renewal application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

Described below is the Ohio EPA District Office or local air agency that is responsible for processing and administering your Title V permit:

Hamilton County Dept. of Environmental Services
 250 William Howard Taft Rd
 Cincinnati, OH 45219-2660
 (513) 946-7777

OHIO ENVIRONMENTAL PROTECTION AGENCY

Christopher Jones
 Director

PART I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Section

1. Monitoring and Related Recordkeeping and Reporting Requirements

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - i. The date, place (as defined in the permit), 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.
 - v. The results of such analyses.
 - vi. The operating conditions existing at the time of sampling or measurement.
- b. 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 all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - i. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
 - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. These quarterly written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06. The written 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.) See B.8 below if no deviations occurred during the quarter.
 - iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to

the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, recordkeeping, and reporting requirements. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports submitted pursuant to OAC rule 3745-15-06 shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of deviations caused by malfunctions or upsets.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78.

8. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.

9. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these general terms and conditions shall apply to all operating scenarios authorized in this permit.

10. Reopening for Cause

This Title V permit will be reopened prior to its expiration date under the following conditions:

- a. Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen 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 the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.
- b. This permit is issued to an affected source under the acid rain program 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, and shall not require a reopening of this permit.
- c. The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.
- d. The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

11. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

12. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

- ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
- i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.
- d. Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the appropriate Ohio EPA District Office or local air agency in the following manner and with the following content:
- i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.
 - ii. Compliance certifications shall include the following:
 - (a) An identification of each term or condition of this permit that is the basis of the certification.
 - (b) The permittee's current compliance status.
 - (c) Whether compliance was continuous or intermittent.
 - (d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.
 - (e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.
 - iii. Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

13. Permit Shield

- a. Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but

excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.

- b. This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

14. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the appropriate District Office of the Ohio EPA or local air agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

15. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.

16. Off Permit Changes

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

- a. The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition;
- b. The permittee provides contemporaneous written notice of the change to the director and the administrator, except that no such notice shall be required for changes that qualify as insignificant emission levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or

pollutants emitted, and any federally applicable requirement that would apply as a result of the change;

- c. The change shall not qualify for the permit shield under OAC rule 3745-77-07(F);
- d. The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes; and
- e. The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee's Title V permit. The change made may require a permit to install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in that Chapter. Nothing in paragraph (I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.

(For further clarification, the permittee can refer to Engineering Guide #63 that is available in their STARSHIP software package.)

17. Compliance Method Requirements

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Fed. Reg. 8314, Feb. 24, 1997), in the context of any future proceeding.

18. Insignificant Activity

Each insignificant activity that has one or more applicable requirements shall comply with those applicable requirements.

B. State Only Enforceable Section

1. Permit to Install Requirement

Prior to the “installation” or “modification” of any “air contaminant source,” as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- 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 appropriate Ohio EPA District Office or local air 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.)

3. Records Retention Requirements

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 this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with

this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

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.

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforcable Section

None

B. State Only Enforceable Section

1. The following insignificant emissions unit is located at this facility:
F002-Soffit Machine.

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within a permit to install for the emissions unit.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Top Shop Bag House (F001)
Activity Description: Dust collector for synthetic marble top shops

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
synthetic marble top cleaning/grinding operation with baghouse	OAC rule 3745-31-05(A)(3) (PTI 14-4274)	0.5 lb/hr PE/PM10; 2.2 tons/yr PE/PM10 The hourly PE emission limit is based on the emissions unit's potential to emit. Therefore, no hourly record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limit.
	OAC rule 3745-17-07(A)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-07(B), and 3745-17-08. The visible particulate emissions from any stack(s) shall not exceed 20% opacity, except as provided by rule.
	OAC rule 3745-17-07(B)	Fugitive visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a three-minute average, except as provided by rule.
	OAC rule 3745-17-08(B)(3) OAC rule 3745-17-11	See A.I.2.a. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05.

2. Additional Terms and Conditions

- The capture system and ventilation rate to the baghouse shall be sufficient to minimize or eliminate visible emissions of fugitive dust at the points of collection.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2 - 4 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.
2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive emissions from this emissions unit. The presence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible fugitive emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Hamilton County Department of Environmental Services by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

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

Emission Limitation:

20% opacity for the baghouse exhaust stack and 20% opacity for the fugitive visible particulate emissions

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources," as such Appendix existed on July 1, 1996.

V. Testing Requirements (continued)

2. Emission Limitation:

0.5 lb/hr PE/PM10, 2.2 tons/yr PE/PM10

Applicable Compliance Method:

Annual emissions shall be calculated by and compliance determined using the following equation:

$$E = A \times B \times 0.0005$$

where,

E = PE/PM10 emissions, tons per year

A = PE/PM10 emission factor allowable emission rate of 0.5 lb/hr

B = hours per year of baghouse operation

If required, the permittee shall demonstrate compliance with the hourly allowable emission rate by performing emission tests in accordance with USEPA Methods 1 - 5.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Marblene Casting 1 (P001)
Activity Description: Marblene Casting

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
marblene casting 1	OAC 3745-31-05(A)(3) (PTI 14-4274) OAC rule 3745-21-07(G)(2)	See term A.I.2. The emission limitations established by this rule are less stringent than those established pursuant to Ohio Administrative Code rule 3745-31-05 (BAT).

2. Additional Terms and Conditions

- 2.a The following emission limitations shall not be exceeded by this emissions unit:
 - i. emissions from marblene casting (resin): 6.3 lbs OC/hr; 37.7 lbs OC/day;
 - ii. emissions from cleanup: 2.3 lbs OC/hr; 13.6 lbs OC/day; and
 - iii. total combined annual emissions (resin + cleanup): 6.5 tons per year.
- 2.b The styrene content of the resin used in this emissions unit shall not exceed 33% by weight.
- 2.c The permittee shall reclaim no less than 50 percent of the cleanup material used in this emissions unit.
- 2.d The OC content of the cleanup material used in this emissions unit shall not exceed 8.86 pounds per gallon.

II. Operational Restrictions

1. The use of photochemically reactive cleanup materials, as defined in OAC 3745-21-01(C)(5), is prohibited in this emissions unit.
2. The following usage limitations shall not be exceeded:

190.5	pounds/hour resin (based on a daily average)
4.5	pounds/hour cleanup material (based on a daily average)
1142.9	pounds/day resin
27.1	pounds/day cleanup material
144.0	tons/year resin
6840.0	pounds/year cleanup material

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day of operation for this emissions unit:
 - a. the company identification for each resin employed in the emissions unit;
 - b. the number of pounds of each resin employed in the emissions unit;
 - c. the styrene content of each resin employed, in percent by weight;
 - d. the total organic compound emission rate for each resin employed in this emissions unit, in pounds (line b X line c X .10*);
 - e. the total organic compound emission rate for all resins employed in this emissions unit, in pounds (the summation of line d for all resins employed);
 - f. the total number of hours the emissions unit was in operation;
 - g. the average hourly organic compound emission rate for all resins employed in this emissions unit (line e / line f);
 - h. the company identification for each cleanup material employed in this emissions unit and whether or not it is a photochemically reactive material; and
 - i. the total number of pounds of all resins employed in this emissions unit.

* Emission factor taken from AP-42 Polyester Resin Plastic Products Fabrication
2. The permittee shall collect and record the following information for each day of operation of this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material evaporated (gallons employed minus gallons reclaimed);
 - c. the organic compound content of each cleanup material, in pounds of OC per gallon;
 - d. the organic compound emission rate for each cleanup materials evaporated, in pounds (line b X line c);
 - e. the organic compound emission rate for all cleanup materials evaporated, in pounds (the summation of line d for all cleanup materials used);
 - f. the total number of hours the emissions unit was in operation;
 - g. the average hourly organic compound emission rate for all cleanup materials employed, in pounds (line e / line f);
 - h. the total number of pounds of all cleanup materials employed in the emissions unit; and
 - i. the percentage of cleanup materials reclaimed.
3. The permittee shall collect and record the following information each month:
 - a. the total organic compound emissions from all resins employed, in pounds;
 - b. the total organic compound emissions from all cleanup materials evaporated, in pounds; and
 - c. the total combined emissions from all resins and cleanup materials, in pounds.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports for this emissions unit. These reports shall include the following information:
 - a. an identification of each day during which the average hourly organic compound emissions from the resins employed in this emissions unit exceeded 6.3 pounds per hour (see A.III.1.g), and the actual average hourly organic compound emissions from the resins for each such day;
 - b. an identification of each day during which the average hourly organic compound emissions from the cleanup materials evaporated exceeded 2.3 pounds per hour, and the actual average hourly organic compound emissions from these cleanup materials for each such day;
 - c. an identification of each day during which the organic compound emissions from the resins employed in this emissions unit exceeded 37.7 pounds per day (see A.III.1.e), and the actual organic compound emissions of the resins for each such day;
 - d. an identification of each day during which the organic compound emissions from the cleanup materials evaporated exceeded 13.6 pounds per day, and the actual organic compound emissions from these cleanup materials for each such day;
 - e. an identification of each day during which usage of resin exceeded 1142.9 pounds per day, and the actual usage of resin for each such day;
 - f. an identification of each day during which usage of cleanup material exceeded 27.1 pounds per day, and the actual usage of cleanup material for each such day;
 - g. an identification of each day during which less than 50% of the cleanup material was reclaimed, and the actual percentage of cleanup material reclaimed for each such day; and
 - h. an identification of each day during which the styrene content limitation for the resin and/or the OC content limitation for the cleanup material was/were exceeded, and the actual styrene content and/or OC content for each such day.
2. The permittee shall submit quarterly deviation reports that identify each day during which any photochemically reactive cleanup materials were employed.
3. The permittee shall submit annual reports which specify the total organic compound emissions, the total resin usage (in tons), and the total cleanup material usage (in pounds) for this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall cover the previous 12 months.

V. Testing Requirements

1. Compliance with the emission limitations in A.I.1. shall be determined by the information collected and recorded in A.III.1.

If testing is required to demonstrate compliance with the allowable hourly emission limitations in A.I.1., the testing shall be conducted using the following method:

40 CFR Part 60, Appendix A, Method 25.

2. Formulation data or USEPA Method 24 shall be used to determine the styrene content of each resin and the OC content of the cleanup material employed in this emissions unit.
3. Compliance with the usage limitations listed in A.II shall be demonstrated by the record keeping specified in Section A.III.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Marblene Casting 2 (P002)
Activity Description: Marblene Casting

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
marblene casting 2	OAC 3745-31-05 (PTI 14-4416) OAC rule 3745-21-07(G)(2)	See term A.I.2. The emission limitations established by this rule are less stringent than those established pursuant to Ohio Administrative Code rule 3745-31-05 (BAT).

2. Additional Terms and Conditions

- 2.a The following emission limitations shall not be exceeded by this emissions unit:
 - i. emissions from marblene casting (resin): 6.3 lbs OC/hr; 37.7 lbs OC/day;
 - ii. emissions from cleanup: 2.3 lbs OC/hr; 13.6 lbs OC/day; and
 - iii. total combined annual emissions (resin + cleanup): 6.5 tons per year.
- 2.b The styrene content of the resin used in this emissions unit shall not exceed 33% by weight.
- 2.c The permittee shall reclaim no less than 50 percent of the cleanup material used in this emissions unit.
- 2.d The OC content of the cleanup material used in this emissions unit shall not exceed 8.86 pounds per gallon.

II. Operational Restrictions

1. The use of photochemically reactive cleanup materials, as defined in OAC 3745-21-01(C)(5), is prohibited in this emissions unit.
2. The following usage limitations shall not be exceeded:

190.5	pounds/hour resin (based on a daily average)
4.5	pounds/hour cleanup material (based on a daily average)
1142.9	pounds/day resin
27.1	pounds/day cleanup material
144.0	tons/year resin
6840.0	pounds/year cleanup material

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day of operation for this emissions unit:
 - a. the company identification for each resin employed in the emissions unit;
 - b. the number of pounds of each resin employed in the emissions unit;
 - c. the styrene content of each resin employed, in percent by weight;
 - d. the total organic compound emission rate for each resin employed in this emissions unit, in pounds (line b X line c X .10*);
 - e. the total organic compound emission rate for all resins employed in this emissions unit, in pounds (the summation of line d for all resins employed);
 - f. the total number of hours the emissions unit was in operation;
 - g. the average hourly organic compound emission rate for all resins employed in this emissions unit (line e / line f);
 - h. the company identification for each cleanup material employed in this emissions unit and whether or not it is a photochemically reactive material; and
 - i. the total number of pounds of all resins employed in this emissions unit.

* Emission factor taken from AP-42 Polyester Resin Plastic Products Fabrication
2. The permittee shall collect and record the following information for each day of operation of this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material evaporated (gallons employed minus gallons reclaimed);
 - c. the organic compound content of each cleanup material, in pounds of OC per gallon;
 - d. the organic compound emission rate for each cleanup materials evaporated, in pounds (line b X line c);
 - e. the organic compound emission rate for all cleanup materials evaporated, in pounds (the summation of line d for all cleanup materials used);
 - f. the total number of hours the emissions unit was in operation;
 - g. the average hourly organic compound emission rate for all cleanup materials employed, in pounds (line e / line f);
 - h. the total number of pounds of all cleanup materials employed in the emissions unit; and
 - i. the percentage of cleanup materials reclaimed.
3. The permittee shall collect and record the following information each month:
 - a. the total organic compound emissions from all resins employed, in pounds;
 - b. the total organic compound emissions from all cleanup materials evaporated, in pounds; and
 - c. the total combined emissions from all resins and cleanup materials, in pounds.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports for this emissions unit. These reports shall include the following information:
 - a. an identification of each day during which the average hourly organic compound emissions from the resins employed in this emissions unit exceeded 6.3 pounds per hour (see A.III.1.g), and the actual average hourly organic compound emissions from the resins for each such day;
 - b. an identification of each day during which the average hourly organic compound emissions from the cleanup materials evaporated exceeded 2.3 pounds per hour, and the actual average hourly organic compound emissions from these cleanup materials for each such day;
 - c. an identification of each day during which the organic compound emissions from the resins employed in this emissions unit exceeded 37.7 pounds per day (see A.III.1.e), and the actual organic compound emissions of the resins for each such day;
 - d. an identification of each day during which the organic compound emissions from the cleanup materials evaporated exceeded 13.6 pounds per day, and the actual organic compound emissions from these cleanup materials for each such day;
 - e. an identification of each day during which usage of resin exceeded 1142.9 pounds per day, and the actual usage of resin for each such day;
 - f. an identification of each day during which usage of cleanup material exceeded 27.1 pounds per day, and the actual usage of cleanup material for each such day;
 - g. an identification of each day during which less than 50% of the cleanup material was reclaimed, and the actual percentage of cleanup material reclaimed for each such day; and
 - h. an identification of each day during which the styrene content limitation for the resin and/or the OC content limitation for the cleanup material was/were exceeded, and the actual styrene content and/or OC content for each such day.
2. The permittee shall submit quarterly deviation reports that identify each day during which any photochemically reactive cleanup materials were employed.
3. The permittee shall submit annual reports which specify the total organic compound emissions, the total resin usage (in tons), and the total cleanup material usage (in pounds) for this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall cover the previous 12 months.

V. Testing Requirements

1. Compliance with the emission limitations in A.I.1. shall be determined by the information collected and recorded in A.III.1.

If testing is required to demonstrate compliance with the allowable hourly emission limitations in A.I.1., the testing shall be conducted using the following method:

40 CFR Part 60, Appendix A, Method 25.
2. Formulation data or USEPA Method 24 shall be used to determine the styrene content of each resin and the OC content of the cleanup material employed in this emissions unit.
3. Compliance with the usage limitations listed in A.II shall be demonstrated by the record keeping specified in Section A.III.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Mill and stair operation (P901)
Activity Description: Dust collector for stair and mill operations

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
mill and stair line with cyclone	OAC rule 3745-31-05(A)(3) (PTI 14-4274)	0.5 lb/hr PE/PM10 2.2 tons/yr PE/PM10 The hourly PE emission limit is based on the emissions unit's potential to emit. Therefore, no hourly record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limit. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-07(B), and 3745-17-08.
	OAC rule 3745-17-07(A)	The visible particulate emissions from any stack(s) shall not exceed 20% opacity, except as provided by rule.
	OAC rule 3745-17-07(B)	Fugitive visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a three-minute average, except as provided by rule.
	OAC rule 3745-17-08(B)(3) OAC rule 3745-17-11	See A.I.2.a. The emission limitation established by this rule is less stringent than that established pursuant to OAC rule 3745-31-05 (BAT).

2. Additional Terms and Conditions

- 2.a The capture system and ventilation rate to the baghouse shall be sufficient to minimize or eliminate visible emissions of fugitive dust at the points of collection.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform weekly inspections of the cyclone controlling this emissions unit to ensure that it is functioning properly. The results of this inspection shall be recorded and maintained in a logbook. The inspection shall include the following items:
 - a. an inspection of the air flow to the cyclone to ensure proper collection of particulate emissions;
 - b. an inspection of the collection point within the cyclone to ensure that it is free of blockage; and
 - c. an inspection of the exhaust gases from the cyclone for the presence of visible emissions.
2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive emissions from this emissions unit. The presence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible fugitive emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Hamilton County Department of Environmental Services by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the cyclone serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Hamilton County Department of Environmental Services by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

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

Emission Limitation:

20% opacity from stack

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources," as such Appendix existed on July 1, 1996.

V. Testing Requirements (continued)

2. Emission Limitation:

20% opacity from fugitive dust

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996.

3. Emission Limitation:

0.5 lb/hr PE/PM10, 2.2 tons/yr PE/PM10

Applicable Compliance Method:

Annual emissions shall be calculated by and compliance determined using the following equation:

$$E = A \times B \times 0.0005$$

where,

E = PE/PM10 emissions, tons per year

A = PE/PM10 allowable hourly emission rate of 0.5 lb/hr

B = hours per year of cyclone operation

If required, the permittee shall demonstrate compliance with the hourly allowable emission rate by performing emission tests in accordance with USEPA Methods 1 - 5.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Gelcoat Line 1 (R001)
Activity Description: Gel coat spray booth

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
gel coat line 1	OAC rule 3745-31-05(A)(3) (PTI 14-4274) OAC rule 3745-21-07(G)(2)	See A.I.2. The emission limitations established by this rule are less stringent than those established pursuant to OAC rule 3745-31-05 (BAT).

2. Additional Terms and Conditions

- 2.a The following emission limitations shall not be exceeded by this emissions unit:
 - i. emissions from gel coat and cleanup: 2.7 lbs OC/hr; 16.4 lbs OC/day;
 - ii. total combined annual emissions (gel coat + cleanup): 2.1 tons per year.
- 2.b The styrene content of the gel coat used in this emissions unit shall not exceed 47% by weight.
- 2.c The permittee shall reclaim no less than 50 percent of the cleanup material used in this emissions unit.
- 2.d The OC content of the cleanup material used in this emissions unit shall not exceed 8.86 pounds per gallon.

II. Operational Restrictions

1. The use of photochemically reactive cleanup materials, as defined in OAC 3745-21-01(C)(5), is prohibited in this emissions unit.
2. The following usage limitations shall not be exceeded:

15.9	pounds/hour gel coat (based on a daily average)
0.2	pounds/hour cleanup material (based on a daily average)
95.2	pounds/day gel coat
1.3	pounds/day cleanup material
12.0	tons/year gel coat
360	pounds/year cleanup material

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day of operation for this emissions unit:
 - a. the company identification for each gel coat employed in the emissions unit;
 - b. the number of pounds of each gel coat employed in the emissions unit;
 - c. the styrene content of each gel coat employed, in percent by weight;
 - d. the total organic compound emission rate for each gel coat employed in this emissions unit, in pounds (line b X line c X .35*);
 - e. the total organic compound emission rate for all gel coats employed in this emissions unit, in pounds (the summation of line d for all resins employed);
 - f. the total number of hours the emissions unit was in operation;
 - g. the average hourly organic compound emission rate for all gel coats employed in this emissions unit (line e / line f);
 - h. the company identification for each cleanup material employed in this emissions unit and whether or not it is a photochemically reactive material; and
 - i. the total number of pounds of all gel coats employed in this emissions unit.

* Emission factor taken from AP-42 Polyester Resin Plastic Products Fabrication
2. The permittee shall collect and record the following information for each day of operation of this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material evaporated (gallons employed minus gallons reclaimed);
 - c. the organic compound content of each cleanup material, in pounds of OC per gallon;
 - d. the organic compound emission rate for each cleanup material evaporated, in pounds (line b X line c);
 - e. the organic compound emission rate for all cleanup materials evaporated, in pounds (the summation of line d for all cleanup materials used);
 - f. the total number of hours the emissions unit was in operation; and
 - g. the average hourly organic compound emission rate for all cleanup materials employed, in pounds (line e / line f);
 - h. the total number of pounds of all cleanup materials employed in the emissions unit; and
 - i. the percentage of cleanup materials reclaimed.
3. The permittee shall collect and record the following information each month:
 - a. the total organic compound emissions from all gel coats employed, in pounds;
 - b. the total organic compound emissions from all cleanup materials evaporated, in pounds; and
 - c. the total combined emissions from all gel coats and cleanup materials, in pounds.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports for this emissions unit. These reports shall include the following information:
 - a. an identification of each day during which the average hourly organic compound emissions from the gel coats employed in this emissions unit exceeded 15.9 pounds per hour (See A.III.1.g), and the actual average hourly organic compound emissions from the gel coats for each such day;
 - b. an identification of each day during which the average hourly organic compound emissions from the cleanup materials evaporated exceeded 0.2 pounds per hour, and the actual average hourly organic compound emissions from these cleanup materials for each such day;
 - c. an identification of each day during which the organic compound emissions from the gel coats employed in this emissions unit exceeded 95.2 pounds per day (See A.III.1.e), and the actual organic compound emissions of the gel coats for each such day;
 - d. an identification of each day during which the organic compound emissions from the cleanup materials evaporated exceeded 1.4 pounds per day, and the actual organic compound emissions from these cleanup materials for each such day;
 - e. an identification of each day during which usage of gel coat exceeded 95.2 pounds per day, and the actual organic compound emissions from usage of gel coat materials for each such day;
 - f. an identification of each day during which usage of cleanup material exceeded 1.3 pounds per day, and the actual organic compound emissions from usage of cleanup materials for each such day;
 - g. an identification of each day during which less than 50% of the cleanup material was reclaimed, and the actual percentage of cleanup material reclaimed; and
 - h. an identification of each day during which the styrene content limitation for the gel coat and/or OC content limitation for the cleanup material was/were exceeded, and the actual styrene content and/or OC content for each such day.
2. The permittee shall submit quarterly deviation reports that identify each day during which any photochemically reactive cleanup materials were employed.
3. The permittee shall submit annual reports which specify the total organic compound emissions, the total gel coat usage (in tons), and the total cleanup material usage (in pounds) for this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall cover the previous 12 months.

V. Testing Requirements

1. Compliance with the emission limitations in A.I.1. shall be determined by the information collected and recorded in A.III.1.

If testing is required to demonstrate compliance with the allowable hourly emission limitations in A.I.1., the testing shall be conducted using the following method:

40 CFR Part 60, Appendix A, Method 25.

2. Formulation data or USEPA Method 24 shall be used to determine the styrene content of each gel coat and the OC content of the cleanup material employed in this emissions unit.
3. Compliance with the usage limitations listed in A.II shall be demonstrated by the record keeping specified in Section A.III.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Laminate Operation (R002)
Activity Description: Manufacture of custom laminated tops

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
laminate adhesive line	OAC rule 3745-31-05(A)(3) (14-4328)	7.3 tons OC/yr for all coatings and cleanup materials
	OAC rule 3745-21-07(G)(2)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G)(2). 8.0 lbs/hr OC 40.0 lbs/day OC

2. Additional Terms and Conditions

None

II. Operational Restrictions

- The permittee shall maintain tightly fitting caps and/or lids on the adhesive and solvent containers, at all times, except when filling or emptying the containers.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for the coating operation:
 - a. the company identification for each coating and cleanup material employed;
 - b. documentation on whether each coating and cleanup material is a photochemically reactive material;
 - c. the number of gallons of each coating, photochemically reactive cleanup material, and nonphotochemically reactive cleanup material employed;
 - d. the organic compound content of each coating and cleanup material, in pounds per gallon;
 - e. the total organic compound emission rate for each coating and photochemically reactive cleanup material, in pounds per day;
 - f. the total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - g. the total number of hours the emissions unit was in operation; and
 - h. the average hourly organic compound emission rate for all coatings and photochemically reactive cleanup materials, i.e., line f / line g, 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. Also, the definitions of "photochemically reactive" and "nonphotochemically reactive" are based upon OAC rule 3745-21-01(C)(5).]

2. The permittee shall collect and record the following information for the purpose of determining annual organic compound emissions:
 - a. The company identification for each nonphotochemically reactive cleanup material employed.
 - b. The number of gallons of each nonphotochemically reactive cleanup material employed.
 - c. The organic compound content of each nonphotochemically reactive cleanup material, in pounds per gallon.
 - d. The total organic compound emission rate for all nonphotochemically reactive cleanup materials, in pounds.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day.
 - b. An identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual organic compound emissions for each such day.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

1. Formulation data or USEPA method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

V. Testing Requirements (continued)

2. Compliance with the emission limitations in A.I.1. shall be determined by the information collected and recorded in A.III.1.

If testing is required to demonstrate compliance with the allowable hourly emission limitation in A.I.1., the testing shall be conducted using the following method:

40 CFR Part 60, Appendix A, Method 25.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Gelcoat Line 2 (R003)
Activity Description: Gel coat spray booth

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
gel coat line 2	OAC rule 3745-31-05(A)(3) (PTI 14-4274) OAC rule 3745-21-07(G)(2)	See A.I.2. The emission limitations established by this rule are less stringent than those established pursuant to OAC rule 3745-31-05 (BAT).

2. Additional Terms and Conditions

- 2.a The following emission limitations shall not be exceeded by this emissions unit:
 - i. emissions from gel coat and cleanup: 2.7 lbs OC/hr; 16.4 lbs OC/day;
 - ii. total combined annual emissions (gel coat + cleanup): 2.1 tons per year.
- 2.b The styrene content of the gel coat used in this emissions unit shall not exceed 47% by weight.
- 2.c The permittee shall reclaim no less than 50 percent of the cleanup material used in this emissions unit.
- 2.d The OC content of the cleanup material used in this emissions unit shall not exceed 8.86 pounds per gallon.

II. Operational Restrictions

1. The use of photochemically reactive cleanup materials, as defined in OAC 3745-21-01(C)(5), is prohibited in this emissions unit.
2. The following usage limitations shall not be exceeded:

15.9	pounds/hour gel coat (based on a daily average)
0.2	pounds/hour cleanup material (based on a daily average)
95.2	pounds/day gel coat
1.3	pounds/day cleanup material
12.0	tons/year gel coat
360	pounds/year cleanup material

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day of operation for this emissions unit:
 - a. the company identification for each gel coat employed in the emissions unit;
 - b. the number of pounds of each gel coat employed in the emissions unit;
 - c. the styrene content of each gel coat employed, in percent by weight;
 - d. the total organic compound emission rate for each gel coat employed in this emissions unit, in pounds (line b X line c X .35*);
 - e. the total organic compound emission rate for all gel coats employed in this emissions unit, in pounds (the summation of line d for all resins employed);
 - f. the total number of hours the emissions unit was in operation;
 - g. the average hourly organic compound emission rate for all gel coats employed in this emissions unit (line e / line f);
 - h. the company identification for each cleanup material employed in this emissions unit and whether or not it is a photochemically reactive material; and
 - i. the total number of pounds of all gel coats employed in this emissions unit.

* Emission factor taken from AP-42 Polyester Resin Plastic Products Fabrication
2. The permittee shall collect and record the following information for each day of operation of this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material evaporated (gallons employed minus gallons reclaimed);
 - c. the organic compound content of each cleanup material, in pounds of OC per gallon;
 - d. the organic compound emission rate for each cleanup material evaporated, in pounds (line b X line c);
 - e. the organic compound emission rate for all cleanup materials evaporated, in pounds (the summation of line d for all cleanup materials used);
 - f. the total number of hours the emissions unit was in operation; and
 - g. the average hourly organic compound emission rate for all cleanup materials employed, in pounds (line e / line f);
 - h. the total number of pounds of all cleanup materials employed in the emissions unit; and
 - i. the percentage of cleanup materials reclaimed.
3. The permittee shall collect and record the following information each month:
 - a. the total organic compound emissions from all gel coats employed, in pounds;
 - b. the total organic compound emissions from all cleanup materials evaporated, in pounds; and
 - c. the total combined emissions from all gel coats and cleanup materials, in pounds.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports for this emissions unit. These reports shall include the following information:
 - a. an identification of each day during which the average hourly organic compound emissions from the gel coats employed in this emissions unit exceeded 15.9 pounds per hour (See A.III.1.g), and the actual average hourly organic compound emissions from the gel coats for each such day;
 - b. an identification of each day during which the average hourly organic compound emissions from the cleanup materials evaporated exceeded 0.2 pounds per hour, and the actual average hourly organic compound emissions from these cleanup materials for each such day;
 - c. an identification of each day during which the organic compound emissions from the gel coats employed in this emissions unit exceeded 95.2 pounds per day (See A.III.1.e), and the actual organic compound emissions of the gel coats for each such day;
 - d. an identification of each day during which the organic compound emissions from the cleanup materials evaporated exceeded 1.4 pounds per day, and the actual organic compound emissions from these cleanup materials for each such day;
 - e. an identification of each day during which usage of gel coat exceeded 95.2 pounds per day, and the actual organic compound emissions from usage of gel coat materials for each such day;
 - f. an identification of each day during which usage of cleanup material exceeded 1.3 pounds per day, and the actual organic compound emissions from usage of cleanup materials for each such day;
 - g. an identification of each day during which less than 50% of the cleanup material was reclaimed, and the actual percentage of cleanup material reclaimed; and
 - h. an identification of each day during which the styrene content limitation for the gel coat and/or OC content limitation for the cleanup material was/were exceeded, and the actual styrene content and/or OC content for each such day.
2. The permittee shall submit quarterly deviation reports that identify each day during which any photochemically reactive cleanup materials were employed.
3. The permittee shall submit annual reports which specify the total organic compound emissions, the total gel coat usage (in tons), and the total cleanup material usage (in pounds) for this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall cover the previous 12 months.

V. Testing Requirements

1. Compliance with the emission limitations in A.I.1. shall be determined by the information collected and recorded in A.III.1.

If testing is required to demonstrate compliance with the allowable hourly emission limitations in A.I.1., the testing shall be conducted using the following method:

40 CFR Part 60, Appendix A, Method 25.

2. Formulation data or USEPA Method 24 shall be used to determine the styrene content of each gel coat and the OC content of the cleanup material employed in this emissions unit.
3. Compliance with the usage limitations listed in A.II shall be demonstrated by the record keeping specified in Section A.III.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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