



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

12/18/02

CERTIFIED MAIL

RE: Final Title V Chapter 3745-77 permit

03-70-01-0176

Artesian, A Crane Plumbing Company
Bryan Oswalt
41 Cairns Road
Mansfield, OH 44903

Dear Bryan Oswalt:

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 Northwest District Office.

Very truly yours,

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

cc: Northwest District Office
File, DAPC PMU



State of Ohio Environmental Protection Agency

FINAL TITLE V PERMIT

Issue Date: 12/18/02	Effective Date: 01/08/02	Expiration Date: 12/18/07
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This document constitutes issuance of a Title V permit for Facility ID: 03-70-01-0176 to:
 Artesian, A Crane Plumbing Company
 41 Cairns Road
 Mansfield, OH 44903

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

P001 (Main Resin Automated Casting Line 1) Main Resin Automated Casting Line	One of Four Gelcoat Booths on Main Resin Line	R005 (Gelcoat Booth on Custom Resin Line) Gelcoat Booth on Custom Resin Line
P004 (Custom Resin Casting Line) Custom Resin Casting Line	R002 (Gelcoat Booth #2 on Main Resin Line) One of Four Gelcoat Booths on Main Resin Line	R010 (Main Line #2 Gelcoat Booth and Curing Tunnel) Gelcoat Booth and Curing Tunnel
P010 (Main Resin Automated Casting Line #2) Marble Casting for Main Line #2	R003 (Gelcoat Booth #3 on Main Resin Line) One of Four Gelcoat Booths on Main Resin Line	
R001 (Gelcoat Booth #1 on Main Resin Line)	R004 (Gelcoat Booth #4 on Main Resin Line) One of Four Gelcoat Booths on Main Resin Line	

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 3745-77-08(E) 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 current Ohio EPA District Office or local air agency that is responsible for processing and administering your Title V permit:

Northwest District Office
 347 North Dunbridge Road
 Bowling Green, OH 43402
 (419) 352-8461

OHIO ENVIRONMENTAL PROTECTION AGENCY

Christopher Jones
Director

PART I - GENERAL TERMS AND CONDITIONS

A. *State and Federally Enforceable Section*

1. **Monitoring and Related Record Keeping 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.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))
- 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.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))
- c. The permittee shall submit required reports in the following manner:
 - i. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))
 - ii. **All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) with respect to emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:**
 - (a) Written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations ; (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. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, i.e., in Part III of this Title V permit, 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. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. These written reports shall satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six

months and the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations. See B.6 below if no deviations occurred during the quarter.

(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i), (ii) and (iii))

- (b) Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the deviation reporting requirements for this Title V permit, written reports that identify each malfunction that occurred during each calendar quarter shall be submitted, at a minimum, quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year, and shall cover the previous calendar quarters.

In identifying each deviation caused by a malfunction, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Also, if a deviation caused by a malfunction is identified in a written report submitted pursuant to paragraph (a) above, a separate report is not required for that malfunction pursuant to this paragraph. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing, at a minimum, on a quarterly basis.

Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation, operational restriction, and control device operating parameter limitation shall be reported in the same manner as described above for malfunctions. These written reports for malfunctions (and scheduled maintenance projects, if appropriate) shall satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations.

(Authority for term: OAC rules 3745-77-07(A)(3)(c)(iii))

iii. **For monitoring, record keeping, and reporting requirements:**

Written reports that identify any deviations from the federally enforceable monitoring, record keeping, 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. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. 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, record keeping, 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.

(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii))

- 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 (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."
(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

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 of any emissions unit(s) 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 OAC rule 3745-15-06, 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).
(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iii))

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.
(Authority for term: OAC rule 3745-77-07(A)(4))

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.
(Authority for term: OAC rule 3745-77-07(A)(5))

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.
(Authority for term: OAC rule 3745-77-07(A)(6))

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, in accordance with A.10 below. 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.

(Authority for term: OAC rule 3745-77-07(A)(7))

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.

(Authority for term: OAC rule 3745-77-07(A)(8))

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.

(Authority for term: OAC rule 3745-77-07(A)(9))

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.

(Authority for term: OAC rule 3745-77-07(A)(10))

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 (18) 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.

(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))

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.

(Authority for term: OAC rule 3745-77-07(B))

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 Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA 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.

(Authority for term: OAC rules 3745-77-07(C)(1),(2),(4) and (5) and ORC section 3704.03(L))

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.

(Authority for term: OAC rule 3745-77-07(F))

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).

(Authority for term: OAC rules 3745-77-07(H)(1) and (2))

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.

(Authority for term: OAC rule 3745-77-07(G))

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 of the U.S. EPA, 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.
- 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 purposes of clarification, the permittee can refer to Engineering Guide #63 that is available in the STARSHIP software package.)

(Authority for term: OAC rule 3745-77-07(I))

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.

(This term is provided for informational purposes only.)

18. Insignificant Activities

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

(Authority for term: OAC rule 3745-77-07(A)(1))

19. 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.

(Authority for term: OAC rule 3745-77-07(A)(1))

20. 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.

(Authority for term: OAC rule 3745-77-07(A)(1))

B. State Only Enforceable Section

1. Reporting Requirements Related to Monitoring and Record Keeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or record keeping information shall be submitted to the 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 (i) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) 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. In identifying each deviation, the permittee

shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. 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.)

2. 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.

3. 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.

4. 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).

5. 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.

6. 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 units are located at this facility:

"Onyx" Filler Storage Bin Main Line 1, Ohio EPA emissions unit P002;
CaCO₃ Filler Storage Bin Main Line 1, Ohio EPA emissions unit P003;
Grinding Booth #1 Main Resin Line 1, Ohio EPA emissions unit P005;
Grinding Booth #2 Main Resin Line 1, Ohio EPA emissions unit P006;
Grinding Booth Custom Resin Line, Ohio EPA emissions unit P007;
Grinding Booth for Mold Making Line, Ohio EPA emissions unit P008;
Main Line Refinishing and Repair, Ohio EPA emissions unit Z001;
Custom Line Onyx Bagbreaking, Ohio EPA emissions unit Z002;
Custom Line CaCO₃ Bagbreaking, Ohio EPA emissions unit Z003;
Custom Line Refinishing and Repair, Ohio EPA emissions unit Z004;
Working Loss Emis 3 Stor Tank, Ohio EPA emissions unit Z007;
Working Loss Emis 3 Stor Tank-Line 2, Ohio EPA emissions unit Z008;
Main Line 2 Grinding Booth, Ohio EPA emissions unit Z009;
Bagbreaking of CaCO₃ - Line 2, Ohio EPA emissions unit Z010; and
Bagbreaking of Onyx - Line 2, Ohio EPA emissions unit Z011.

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: Main Resin Automated Casting Line 1 (P001)

Activity Description: Main Resin Automated Casting Line

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>
main resin automated casting line (closed molding) - line 1	OAC Rule 3745-31-05 (A)(3) (PTI 03-8793)	6.67 lbs organic compounds (OC)/hr and 20.8 tons OC/yr, from resin materials (for this emissions unit)
	OAC Rule 3745-21-07(G)(2)	874 lbs OC /month and 5.2 tons OC/yr, from cleanup materials (See A.I.2.a.) See A.II. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G)(2). exempt, pursuant to OAC rule 3745-21-07(G)(9)(g) [See A.I.2.b.]

2. Additional Terms and Conditions

- 2.a The total OC emissions (from cleanup materials) for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined, shall not exceed 874 lbs OC/month and 5.2 tons OC/yr.
- 2.b In accordance with OAC rule 3745-21-07(G)(9)(g), best available technology (BAT) for this emissions unit, as established pursuant to OAC rule 3745-31-05, has been determined to be more stringent than, or inconsistent with, the requirements of OAC rule 3745-21-07(G).
- 2.c The hourly OC emission limitation of 6.67 pounds was established for PTI purposes to reflect the emissions unit's potential to emit. Therefore, it is not necessary to develop monitoring, record keeping, and/or reporting requirements to ensure compliance with this limitation.

II. Operational Restrictions

1. The maximum monomer content, in weight percent, for the polyester resins employed in this emissions unit shall not exceed the following:
 - a. pigmented resin used in the veining process -18% (by weight), as applied; and
 - b. all other polyester resins - 33.5% (by weight), as applied.
2. The use of any cleanup material containing Hazardous Air Pollutants (HAPs) in this emissions unit, as defined in 112(G) of the Clean Air Act, is prohibited.
3. The use of any photochemically reactive cleanup material in this emissions unit, as defined in OAC rule 3745-21-01(C)(5), is prohibited.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:
 - a. the name and identification number of each cleanup material employed;
 - b. documentation on whether or not each cleanup material employed is a photochemically reactive material; and
 - c. documentation on whether or not each cleanup material employed contains any HAP.
2. The permittee shall maintain daily records of the following information for this emissions unit:
 - a. the name and identification (i.e., pigmented resin used in the veining process or another polyester resin) of each polyester resin material employed; and
 - b. the monomer content, in weight percent, for each polyester resin material, as applied.
3. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the name and identification number of each polyester resin material employed;
 - b. the monomer content, in weight percent, for each polyester resin material, as applied;
 - c. the weight, in pounds, of each polyester resin material employed;
 - d. the total OC emissions, in pounds, from each polyester resin material employed, calculated by the following equation:

$$\text{total OC emissions (lbs/month)} = b \times c \times 0.03^*$$

where:

b = weight of each polyester resin material (from section A.III.3.b above)

c = the weight percent of monomer (OC) for each polyester resin material (from section A.III.3.c above); and

e. the total OC emissions, in pounds, for all the polyester resin materials employed (summation of d for all polyester resin materials).

* OC emission factor from AP-42, Table 4.12-2 (revised 9/88)

III. Monitoring and/or Record Keeping Requirements (continued)

4. The permittee shall collect and record the following information each month for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined:
 - a. the name and identification number of each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the total OC emission rate for each cleanup material employed (b x c), in pounds; and
 - e. the total OC emission rate for all the cleanup materials employed (summation of d for all cleanup materials, divided by 2000), in tons.

The permittee may calculate the OC emissions from the cleanup materials in accordance with the following formula if waste cleanup materials are sent off site for disposal/reclamation:

OC emissions = summation of [(total gallons of each cleanup material used) x (solvent density of the cleanup material) - (total gallons of each cleanup material sent off site [minus solids]) x (solvent density of the cleanup material)] for all cleanup materials employed

5. The permittee shall collect and record the following information each year:
 - a. The total OC emissions for all the polyester resin materials employed in this emissions unit (calculated by summing the monthly OC emission rates, from section A.III.3.e, for the calendar year, divided by 2000), in tons.
 - b. The total OC emissions for all the cleanup materials employed in emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined (calculated by summing the monthly OC emission rates, from section A.III.4.e, for the calendar year), in tons.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following for this emissions unit
 - a. all periods of time during which a photochemically reactive cleanup material was employed;
 - b. all periods of time during which a cleanup material containing any HAP was employed;
 - c. all periods of time during which a noncomplying polyester resin material (i.e., for weight percent of monomer) was employed, including the number of pounds of any noncomplying polyester resin material used and the weight fraction of styrene monomer for such material.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the monthly OC emission limitation (from cleanup materials) of 874 pounds (for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined).
3. All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
4. The permittee shall submit annual reports that summarize the actual annual OC emissions (from the polyester resin materials) for this emissions unit and the actual annual OC emissions (from the cleanup materials) for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined). These reports shall be submitted along with the "Fee Emissions Report" required pursuant to OAC rule 3745-78-02(A).

V. Testing Requirements

1. Compliance with the emission limitations in Section A.I. of these terms and conditions shall be determined in accordance with the following methods:

1.a Emission Limitations:
6.67 lbs OC/hr and 20.8 tons OC/yr

Applicable Compliance Method:

The hourly allowable OC emission limitation was established as follows:

i. multiply the maximum resin materials usage rate (lbs/hr) by the maximum allowable monomer content (33.5%, by weight); and

ii. multiply the result from section A.V.1.a.i by an emission factor of 0.03.*

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR, Part 60, Appendix A.

Compliance with the annual allowable OC emission limitation shall be determined pursuant to the record keeping requirements established in sections A.III.3 and 5 of this permit.

* OC emission factor from AP-42, Table 4.12-2 (revised 9/88)

1.b Emission Limitations:
874 lbs OC/month and 5.2 tons OC/yr, from the use of cleanup materials (for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined)

Applicable Compliance Method:

Compliance with the monthly and annual allowable OC emission limitations above shall be determined pursuant to the record keeping requirements established in sections A.III.4 and 5 of this permit.

1.c Emission Limitations:
pigmented resin used in the veining process -18%, by weight
all other polyester resins - 33.5%, by weight

Applicable Compliance Method:

The permittee shall demonstrate compliance with the OC content limitations above through the record keeping requirements established in section A.III.2 of this permit.

2. USEPA Method 24 or Method 311 shall be used to determine the monomer (OC) content of each polyester resin material. Formulation data or USEPA Method 24 shall be used to determine the OC content of each cleanup material.

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: Custom Resin Casting Line (P004)

Activity Description: Custom Resin Casting Line

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>
custom resin automated casting line (closed mold)	OAC Rule 3745-31-05 (A)(3) (PTI 03-8793)	3.17 lbs organic compounds (OC)/hr and 7.9 tons OC/yr, from resin materials (for this emissions unit)
	OAC Rule 3745-21-07(G)(2)	874 lbs OC /month and 5.2 tons OC/yr, from cleanup materials (See A.I.2.a.) See A.II. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G)(2). exempt, pursuant to OAC rule 3745-21-07(G)(9)(g) [See A.I.2.b.]

2. Additional Terms and Conditions

- 2.a The total OC emissions (from cleanup materials) for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined, shall not exceed 874 lbs OC/month and 5.2 tons OC/yr.
- 2.b In accordance with OAC rule 3745-21-07(G)(9)(g), best available technology (BAT) for this emissions unit, as established pursuant to OAC rule 3745-31-05, has been determined to be more stringent than, or inconsistent with, the requirements of OAC rule 3745-21-07(G).
- 2.c The hourly OC emission limitation of 3.17 pounds was established for PTI purposes to reflect the emissions unit's potential to emit. Therefore, it is not necessary to develop monitoring, record keeping, and/or reporting requirements to ensure compliance with this limitation.

II. Operational Restrictions

1. The maximum monomer content, in weight percent, for the polyester resins employed in this emissions unit shall not exceed the following:
 - a. pigmented resin used in the veining process -18% (by weight), as applied; and
 - b. all other polyester resins - 33.5% (by weight), as applied.
2. The use of any cleanup material containing Hazardous Air Pollutants (HAPs) in this emissions unit, as defined in 112(G) of the Clean Air Act, is prohibited.
3. The use of any photochemically reactive cleanup material in this emissions unit, as defined in OAC rule 3745-21-01(C)(5), is prohibited.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:
 - a. the name and identification number of each cleanup material employed;
 - b. documentation on whether or not each cleanup material employed is a photochemically reactive material; and
 - c. documentation on whether or not each cleanup material employed contains any HAP.
2. The permittee shall maintain daily records of the following information for this emissions unit:
 - a. the name and identification (i.e., pigmented resin used in the veining process or another polyester resin) of each polyester resin material employed; and
 - b. the monomer content, in weight percent, for each polyester resin material, as applied.
3. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the name and identification number of each polyester resin material employed;
 - b. the monomer content, in weight percent, for each polyester resin material, as applied;
 - c. the weight, in pounds, of each polyester resin material employed;
 - d. the total OC emissions, in pounds, from each polyester resin material employed, calculated by the following equation:

$$\text{total OC emissions (lbs/month)} = b \times c \times 0.03^*$$

where:

b = weight of each polyester resin material (from section A.III.3.b above)

c = the weight percent of monomer (OC) for each polyester resin material (from section A.III.3.c above); and

e. the total OC emissions, in pounds, for all the polyester resin materials employed (summation of d for all polyester resin materials).

* OC emission factor from AP-42, Table 4.12-2 (revised 9/88)

III. Monitoring and/or Record Keeping Requirements (continued)

4. The permittee shall collect and record the following information each month for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined:
 - a. the name and identification number of each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the total OC emission rate for each cleanup material employed (b x c), in pounds; and
 - e. the total OC emission rate for all the cleanup materials employed (summation of d for all cleanup materials, divided by 2000), in tons.

The permittee may calculate the OC emissions from the cleanup materials in accordance with the following formula if waste cleanup materials are sent off site for disposal/reclamation:

OC emissions = summation of [(total gallons of each cleanup material used) x (solvent density of the cleanup material) -(total gallons of each cleanup material sent off site [minus solids]) x (solvent density of the cleanup material)] for all cleanup materials employed

5. The permittee shall collect and record the following information each year:
 - a. The total OC emissions for all the polyester resin materials employed in this emissions unit (calculated by summing the monthly OC emission rates, from section A.III.3.e, for the calendar year, divided by 2000), in tons.
 - b. The total OC emissions for all the cleanup materials employed in emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined (calculated by summing the monthly OC emission rates, from section A.III.4.e, for the calendar year), in tons.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following for this emissions unit
 - a. all periods of time during which a photochemically reactive cleanup material was employed;
 - b. all periods of time during which a cleanup material containing any HAP was employed;
 - c. all periods of time during which a noncomplying polyester resin material (i.e., for weight percent of monomer) was employed, including the number of pounds of any noncomplying polyester resin material used and the weight fraction of styrene monomer for such material.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the monthly OC emission limitation (from cleanup materials) of 874 pounds (for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined).
3. All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
4. The permittee shall submit annual reports that summarize the actual annual OC emissions (from the polyester resin materials) for this emissions unit and the actual annual OC emissions (from the cleanup materials) for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined). These reports shall be submitted along with the "Fee Emissions Report" required pursuant to OAC rule 3745-78-02(A).

V. Testing Requirements

1. Compliance with the emission limitations in Section A.I. of these terms and conditions shall be determined in accordance with the following methods:

1.a Emission Limitations:
3.17 lbs OC/hr and 7.9 tons OC/yr

Applicable Compliance Method:

The hourly allowable OC emission limitation was established as follows:

i. multiply the maximum resin materials usage rate (lbs/hr) by the maximum allowable monomer content (33.5%, by weight); and

ii. multiply the result from section A.V.1.a.i by an emission factor of 0.03.*

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR, Part 60, Appendix A.

Compliance with the annual allowable OC emission limitation shall be determined pursuant to the record keeping requirements established in sections A.III.3 and 5 of this permit.

* OC emission factor from AP-42, Table 4.12-2 (revised 9/88)

1.b Emission Limitations:
874 lbs OC/month and 5.2 tons OC/yr, from the use of cleanup materials (for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined)

Applicable Compliance Method:

Compliance with the monthly and annual allowable OC emission limitations above shall be determined pursuant to the record keeping requirements established in sections A.III.4 and 5 of this permit.

1.c Emission Limitations:
pigmented resin used in the veining process -18%, by weight
all other polyester resins - 33.5%, by weight

Applicable Compliance Method:

The permittee shall demonstrate compliance with the OC content limitations above through the record keeping requirements established in section A.III.2 of this permit.

2. USEPA Method 24 or Method 311 shall be used to determine the monomer (OC) content of each polyester resin material. Formulation data or USEPA Method 24 shall be used to determine the OC content of each cleanup material.

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: Main Resin Automated Casting Line #2 (P010)
Activity Description: Marble Casting for Main Line #2

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>
main resin automated casting line (closed molding) - line 2	OAC Rule 3745-31-05 (A)(3) (PTI 03-13262)	5.41 lbs organic compounds (OC)/hr and 14.1 tons OC/yr, from resin materials (for this emissions unit) 874 lbs OC /month and 5.2 tons OC/yr, from cleanup materials (See A.I.2.a.) See A.II.
	OAC Rule 3745-21-07(G)(2)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-07(G)(2) and 3745-31-28.
	OAC Rule 3745-31-28	exempt, pursuant to OAC rule 3745-21-07(G)(9)(g) [See A.I.2.b.] MACT for this emissions unit has been determined to be the operational restrictions in sections A.II.1. and A.II.2. below.

2. Additional Terms and Conditions

- 2.a The total OC emissions (from cleanup materials) for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined, shall not exceed 874 lbs OC/month and 5.2 tons OC/yr.
- 2.b In accordance with OAC rule 3745-21-07(G)(9)(g), best available technology (BAT) for this emissions unit, as established pursuant to OAC rule 3745-31-05, has been determined to be more stringent than, or inconsistent with, the requirements of OAC rule 3745-21-07(G).
- 2.c The hourly OC emission limitation of 5.41 pounds was established for PTI purposes to reflect the emissions unit's potential to emit. Therefore, it is not necessary to develop monitoring, record keeping, and/or reporting requirements to ensure compliance with this limitation.

II. Operational Restrictions

1. The maximum monomer content, in weight percent, for the polyester resins employed in this emissions unit shall not exceed the following:
 - a. pigmented resin used in the veining process -18% (by weight), as applied; and
 - b. all other polyester resins - 33.5% (by weight), as applied.
2. The use of any cleanup material containing Hazardous Air Pollutants (HAPs) in this emissions unit, as defined in 112(G) of the Clean Air Act, is prohibited.
3. The use of any photochemically reactive cleanup material in this emissions unit, as defined in OAC rule 3745-21-01(C)(5), is prohibited.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:
 - a. the name and identification number of each cleanup material employed;
 - b. documentation on whether or not each cleanup material employed is a photochemically reactive material; and
 - c. documentation on whether or not each cleanup material employed contains any HAP.
2. The permittee shall maintain daily records of the following information for this emissions unit:
 - a. the name and identification (i.e., pigmented resin used in the veining process or another polyester resin) of each polyester resin material employed; and
 - b. the monomer content, in weight percent, for each polyester resin material, as applied.
3. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the name and identification number of each polyester resin material employed;
 - b. the monomer content, in weight percent, for each polyester resin material, as applied;
 - c. the weight, in pounds, of each polyester resin material employed;
 - d. the total OC emissions, in pounds, from each polyester resin material employed, calculated by the following equation:

$$\text{total OC emissions (lbs/month)} = b \times c \times 0.03^*$$

where:

b = weight of each polyester resin material (from section A.III.3.b above)

c = the weight percent of monomer (OC) for each polyester resin material (from section A.III.3.c above); and

e. the total OC emissions, in pounds, for all the polyester resin materials employed (summation of d for all polyester resin materials).

* OC emission factor from AP-42, Table 4.12-2 (revised 9/88)

III. Monitoring and/or Record Keeping Requirements (continued)

4. The permittee shall collect and record the following information each month for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined:
 - a. the name and identification number of each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the total OC emission rate for each cleanup material employed (b x c), in pounds; and
 - e. the total OC emission rate for all the cleanup materials employed (summation of d for all cleanup materials, divided by 2000), in tons.

The permittee may calculate the OC emissions from the cleanup materials in accordance with the following formula if waste cleanup materials are sent off site for disposal/reclamation:

OC emissions = summation of [(total gallons of each cleanup material used) x (solvent density of the cleanup material) - (total gallons of each cleanup material sent off site [minus solids]) x (solvent density of the cleanup material)] for all cleanup materials employed

5. The permittee shall collect and record the following information each year:
 - a. The total OC emissions for all the polyester resin materials employed in this emissions unit (calculated by summing the monthly OC emission rates, from section A.III.3.e, for the calendar year, divided by 2000), in tons.
 - b. The total OC emissions for all the cleanup materials employed in emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined (calculated by summing the monthly OC emission rates, from section A.III.4.e, for the calendar year), in tons.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following for this emissions unit
 - a. all periods of time during which a photochemically reactive cleanup material was employed;
 - b. all periods of time during which a cleanup material containing any HAP was employed;
 - c. all periods of time during which a noncomplying polyester resin material (i.e., for weight percent of monomer) was employed, including the number of pounds of any noncomplying polyester resin material used and the weight fraction of styrene monomer for such material.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the monthly OC emission limitation (from cleanup materials) of 874 pounds (for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined).
3. All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
4. The permittee shall submit annual reports that summarize the actual annual OC emissions (from the polyester resin materials) for this emissions unit and the actual annual OC emissions (from the cleanup materials) for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined). These reports shall be submitted along with the "Fee Emissions Report" required pursuant to OAC rule 3745-78-02(A).

V. Testing Requirements

1. Compliance with the emission limitations in Section A.I. of these terms and conditions shall be determined in accordance with the following methods:

1.a Emission Limitations:
5.41 lbs OC/hr and 14.1 tons OC/yr

Applicable Compliance Method:

The hourly allowable OC emission limitation was established as follows:

i. multiply the maximum resin materials usage rate (lbs/hr) by the maximum allowable monomer content (33.5%, by weight); and

ii. multiply the result from section A.V.1.a.i by an emission factor of 0.03.*

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR, Part 60, Appendix A.

Compliance with the annual allowable OC emission limitation shall be determined pursuant to the record keeping requirements established in sections A.III.3 and 5 of this permit.

* OC emission factor from AP-42, Table 4.12-2 (revised 9/88)

1.b Emission Limitations:
874 lbs OC/month and 5.2 tons OC/yr, from the use of cleanup materials (for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined)

Applicable Compliance Method:

Compliance with the monthly and annual allowable OC emission limitations above shall be determined pursuant to the record keeping requirements established in sections A.III.4 and 5 of this permit.

1.c Emission Limitations:
pigmented resin used in the veining process -18%, by weight
all other polyester resins - 33.5%, by weight

Applicable Compliance Method:

The permittee shall demonstrate compliance with the OC content limitations above through the record keeping requirements established in section A.III.2 of this permit.

2. USEPA Method 24 or Method 311 shall be used to determine the monomer (OC) content of each polyester resin material. Formulation data or USEPA Method 24 shall be used to determine the OC content of each cleanup material.

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 Booth #1 on Main Resin Line (R001)
Activity Description: One of Four Gelcoat Booths on Main Resin Line

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>
main resin line gelcoat booth 1, with filtration system	OAC Rule 3745-31-05 (A)(3) (PTI 03-8793)	11.54 lbs organic compounds (OC)/hr, from gelcoats (for this emissions unit)
		36.0 tons OC/yr, from gelcoats (See A.I.2.b.)
		874 lbs OC per month and 5.2 tons OC/yr, from cleanup materials (See A.I.2.c.)
		1.4 tons particulate emissions (PE)//yr
		Visible PE shall not exceed 0 percent opacity, as a six-minute average.
		See A.II.
		The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-07(G)(2) and 3745-17-11(B).
	OAC Rule 3745-17-11(B)(4)	0.31 lb PE/hr
	OAC Rule 3745-17-07(A)	See A.I.2.a.
	OAC Rule 3745-21-07(G)(2)	exempt, pursuant to OAC rule 3745-21-07(G)(9)(g) [See A.I.2.d.]

2. Additional Terms and Conditions

- 2.a The visible PE limitation specified by this rule is less stringent than the visible PE limitation established pursuant to OAC rule 3745-31-05.

2. Additional Terms and Conditions (continued)

- 2.b** The annual OC emissions, from gelcoats, for emissions units R001, R002, R003, and R004, combined, shall not exceed 36.0 tons.
- 2.c** The OC emissions, from cleanup materials, for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined, shall not exceed 874 lbs OC /month and 5.2 tons OC/yr.
- 2.d** In accordance with OAC rule 3745-21-07(G)(9)(g), best available technology (BAT) for this emissions unit, as established pursuant to OAC rule 3745-31-05, has been determined to be more stringent than, or inconsistent with, the requirements of OAC rule 3745-21-07(G).
- 2.e** The hourly OC emission limitation of 11.54 pounds was established for PTI purposes to reflect the emissions unit's potential to emit. Therefore, it is not necessary to develop monitoring, record keeping, and/or reporting requirements to ensure compliance with this limitation.

II. Operational Restrictions

- 1.** The maximum monomer content, in weight percent, as applied, for the gelcoats employed in this emissions unit shall not exceed the following:
 - a. clear gelcoats - 44%, by weight; and
 - b. all other gelcoats - 30%, by weight.
- 2.** The use of any cleanup material containing Hazardous Air Pollutants (HAPs) in this emissions unit, as defined in 112(G) of the Clean Air Act, is prohibited.
- 3.** The use of any photochemically reactive cleanup material in this emissions unit, as defined in OAC rule 3745-21-01(C)(5), is prohibited.
- 4.** The permittee shall operate the dry filtration system whenever this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

- 1.** The permittee shall maintain monthly records of the following information for this emissions unit:
 - a. the name and identification number of each cleanup material employed;
 - b. documentation on whether or not each cleanup material employed is a photochemically reactive material; and
 - c. documentation on whether or not each cleanup material employed contains any HAP.
- 2.** The permittee shall maintain daily records of the following information for this emissions unit:
 - a. the name and identification (i.e., clear gelcoat or another gelcoat) of each gelcoat employed; and
 - b. the monomer content, in weight percent, for each gelcoat, as applied.

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall collect and record the following information each month for emissions units R001, R002, R003, and R004, combined:

- a. the name and identification number of each gelcoat employed;
- b. the weight fraction of monomer, in percent OC (by weight), for each gelcoat, as applied;
- c. the weight, in pounds, of each gelcoat employed;
- d. the total OC emissions, in pounds, for each gelcoat employed, calculated using the following equation:

$$\text{Total OC emissions (lbs/month)} = W \times 0.68 \times [(1.036 \times P) - .195]^*$$

Where:

W = weight, in pounds of each gelcoat

P = the weight fraction of monomer, in percent OC, for each gelcoat, as applied; and

- e. the total OC emissions, in pounds, for all the gelcoats employed (summation of d for all gelcoats).

* based on Equation 7, Page 13, "CFA Emission Models for the Reinforced Plastics Industries," February 28, 1998

4. The permittee shall collect and record the following information each month for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined:

- a. the name and identification number of each cleanup material employed;
- b. the number of gallons of each cleanup material employed;
- c. the OC content of each cleanup material employed, in pounds per gallon;
- d. the total OC emission rate for each cleanup material employed (b x c), in pounds; and
- e. the total OC emission rate for all the cleanup materials employed (summation of d for all cleanup materials, divided by 2000), in tons.

The permittee may calculate the OC emissions from the cleanup materials in accordance with the following formula if waste cleanup materials are sent off site for disposal/reclamation:

OC emissions = summation of [(total gallons of each cleanup material used) x (solvent density of the cleanup material) - (total gallons of each cleanup material sent off site [minus solids] x (solvent density of the cleanup material))] for all cleanup materials employed

5. The permittee shall collect and record the following information each year:

- a. The total OC emissions for all the gelcoats employed in emissions units R001, R002, R003, and R004, combined (calculated by summing the monthly OC emission rates, from section A.III.3.e, for the calendar year, divided by 2000), in tons.
- b. The total OC emissions for all the cleanup materials employed in emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined (calculated by summing the monthly OC emission rates, from section A.III.4.e, for the calendar year), in tons.

III. Monitoring and/or Record Keeping Requirements (continued)

6. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following for this emissions unit
 - a. all periods of time during which a photochemically reactive cleanup material was employed;
 - b. all periods of time during which a cleanup material containing any HAP was employed;
 - c. all periods of time during which a noncomplying gelcoat (i.e., for weight percent of monomer) was employed, including the number of pounds of any noncomplying gelcoat used and the weight fraction of styrene monomer for such material.

All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the monthly OC emission limitation (from cleanup materials) of 874 pounds (for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined).

All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

3. The permittee shall submit annual reports that summarize the actual annual OC emissions (from the gelcoats) for emissions units R001, R002, R003, and R004, combined, and the actual annual OC emissions (from the cleanup materials) for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined). These reports shall be submitted along with the "Fee Emissions Report" required pursuant to OAC rule 3745-78-02(A).
4. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.I. of these terms and conditions shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

- 1.a** Emission Limitations:
11.54 lbs OC/hr
36.0 tons OC/yr, from gelcoats (for emissions units R001, R002, R003, and R004, combined)

Applicable Compliance Method

The hourly allowable OC emission limitation was established as follows:

$$\text{allowable OC emissions (lbs/hr)} = \{W \times 0.68 \times [(1.036 \times P) - .195]\}^*$$

Where:

W = the maximum gelcoats usage rate (lbs/hr)

P = the maximum allowable monomer content (44%, by weight)

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR, Part 60, Appendix A.

Compliance with the annual allowable OC emission limitation shall be determined pursuant to the record keeping requirements established in sections A.III.3 and 5 of this permit.

* based on Equation 7, Page 13, "CFA Emission Models for the Reinforced Plastics Industries," February 28, 1998

- 1.b** Emission Limitations:
874 lbs OC/month and 5.2 tons OC/yr, from the use of cleanup materials (for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined)

Applicable Compliance Method:

Compliance with the monthly and annual allowable OC emission limitations above shall be determined pursuant to the record keeping requirements established in sections A.III.4 and 5 of this permit.

- 1.c** Emission Limitations:
0.31 lb PE/hr and 1.4 tons PE/yr

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation :

$$E = \text{PE rate (lbs/hr)}$$

$$E = \text{maximum coating solids usage, in pounds per hour} \times (1-TE)(1-CE) \text{ where}$$

TE = transfer efficiency, which is the ration of the amount of coating solids deposited on the coated part to the amount of coating solids used (assumed to be 62.5%)

CE = control efficiency of the control equipment (assumed to be 98%)

If required, the permittee shall demonstrate compliance with the above emissions limit in accordance with Methods 1 - 5, 40 CFR, Part 60 Appendix A.

The tons of PE/yr limitation was developed by multiplying the lb/hr limitation by 8760, and then dividing. Therefore provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

V. Testing Requirements (continued)

1.d Emission Limitation:
Visible PE shall not exceed 0 percent opacity as a six-minute average.

Applicable Compliance Method:
Compliance with the visible emissions limitation established by this permit shall be determined by Method 9, 40 CFR Part 60 Appendix A.

1.e Emission Limitations:
clear gelcoats - 44%, by weight
all other gelcoats - 30%, by weight

Applicable Compliance Method:
The permittee shall demonstrate compliance with the OC content limitations above through the record keeping requirements established in section A.III.2 of this permit.

2. USEPA Method 24 or Method 311 shall be used to determine the monomer (OC) content of each gelcoat. Formulation data or USEPA Method 24 shall be used to determine the OC content of each cleanup material.

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 Booth #2 on Main Resin Line (R002)
Activity Description: One of Four Gelcoat Booths on Main Resin Line

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>
main resin line gelcoat booth 2, with filtration system	OAC Rule 3745-31-05 (A)(3) (PTI 03-8793)	11.54 lbs organic compounds (OC)/hr, from gelcoats (for this emissions unit)
		36.0 tons OC/yr, from gelcoats (See A.I.2.b.)
		874 lbs OC per month and 5.2 tons OC/yr, from cleanup materials (See A.I.2.c.)
		1.4 tons particulate emissions (PE)//yr
		Visible PE shall not exceed 0 percent opacity, as a six-minute average.
		See A.II.
	OAC Rule 3745-17-11(B)(4)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-07(G)(2) and 3745-17-11(B).
	OAC Rule 3745-17-07(A)	0.31 lb PE/hr
	OAC Rule 3745-21-07(G)(2)	See A.I.2.a.
		exempt, pursuant to OAC rule 3745-21-07(G)(9)(g) [See A.I.2.d.]

2. Additional Terms and Conditions

- The visible PE limitation specified by this rule is less stringent than the visible PE limitation established pursuant to OAC rule 3745-31-05.

2. Additional Terms and Conditions (continued)

- 2.b** The annual OC emissions, from gelcoats, for emissions units R001, R002, R003, and R004, combined, shall not exceed 36.0 tons.
- 2.c** The OC emissions, from cleanup materials, for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined, shall not exceed 874 lbs OC /month and 5.2 tons OC/yr.
- 2.d** In accordance with OAC rule 3745-21-07(G)(9)(g), best available technology (BAT) for this emissions unit, as established pursuant to OAC rule 3745-31-05, has been determined to be more stringent than, or inconsistent with, the requirements of OAC rule 3745-21-07(G).
- 2.e** The hourly OC emission limitation of 11.54 pounds was established for PTI purposes to reflect the emissions unit's potential to emit. Therefore, it is not necessary to develop monitoring, record keeping, and/or reporting requirements to ensure compliance with this limitation.

II. Operational Restrictions

- 1.** The maximum monomer content, in weight percent, as applied, for the gelcoats employed in this emissions unit shall not exceed the following:
 - a. clear gelcoats - 44%, by weight; and
 - b. all other gelcoats - 30%, by weight.
- 2.** The use of any cleanup material containing Hazardous Air Pollutants (HAPs) in this emissions unit, as defined in 112(G) of the Clean Air Act, is prohibited.
- 3.** The use of any photochemically reactive cleanup material in this emissions unit, as defined in OAC rule 3745-21-01(C)(5), is prohibited.
- 4.** The permittee shall operate the dry filtration system whenever this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

- 1.** The permittee shall maintain monthly records of the following information for this emissions unit:
 - a. the name and identification number of each cleanup material employed;
 - b. documentation on whether or not each cleanup material employed is a photochemically reactive material; and
 - c. documentation on whether or not each cleanup material employed contains any HAP.
- 2.** The permittee shall maintain daily records of the following information for this emissions unit:
 - a. the name and identification (i.e., clear gelcoat or another gelcoat) of each gelcoat employed; and
 - b. the monomer content, in weight percent, for each gelcoat, as applied.

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall collect and record the following information each month for emissions units R001, R002, R003, and R004, combined:

- a. the name and identification number of each gelcoat employed;
- b. the weight fraction of monomer, in percent OC (by weight), for each gelcoat, as applied;
- c. the weight, in pounds, of each gelcoat employed;
- d. the total OC emissions, in pounds, for each gelcoat employed, calculated using the following equation:

$$\text{Total OC emissions (lbs/month)} = W \times 0.68 \times [(1.036 \times P) - .195]^*$$

Where:

W = weight, in pounds of each gelcoat

P = the weight fraction of monomer, in percent OC, for each gelcoat, as applied; and

- e. the total OC emissions, in pounds, for all the gelcoats employed (summation of d for all gelcoats).

* based on Equation 7, Page 13, "CFA Emission Models for the Reinforced Plastics Industries," February 28, 1998

4. The permittee shall collect and record the following information each month for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined:

- a. the name and identification number of each cleanup material employed;
- b. the number of gallons of each cleanup material employed;
- c. the OC content of each cleanup material employed, in pounds per gallon;
- d. the total OC emission rate for each cleanup material employed (b x c), in pounds; and
- e. the total OC emission rate for all the cleanup materials employed (summation of d for all cleanup materials, divided by 2000), in tons.

The permittee may calculate the OC emissions from the cleanup materials in accordance with the following formula if waste cleanup materials are sent off site for disposal/reclamation:

OC emissions = summation of [(total gallons of each cleanup material used) x (solvent density of the cleanup material) - (total gallons of each cleanup material sent off site [minus solids] x (solvent density of the cleanup material))] for all cleanup materials employed

5. The permittee shall collect and record the following information each year:

- a. The total OC emissions for all the gelcoats employed in emissions units R001, R002, R003, and R004, combined (calculated by summing the monthly OC emission rates, from section A.III.3.e, for the calendar year, divided by 2000), in tons.
- b. The total OC emissions for all the cleanup materials employed in emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined (calculated by summing the monthly OC emission rates, from section A.III.4.e, for the calendar year), in tons.

III. Monitoring and/or Record Keeping Requirements (continued)

6. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following for this emissions unit
 - a. all periods of time during which a photochemically reactive cleanup material was employed;
 - b. all periods of time during which a cleanup material containing any HAP was employed;
 - c. all periods of time during which a noncomplying gelcoat (i.e., for weight percent of monomer) was employed, including the number of pounds of any noncomplying gelcoat used and the weight fraction of styrene monomer for such material.

All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the monthly OC emission limitation (from cleanup materials) of 874 pounds (for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined).

All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

3. The permittee shall submit annual reports that summarize the actual annual OC emissions (from the gelcoats) for emissions units R001, R002, R003, and R004, combined, and the actual annual OC emissions (from the cleanup materials) for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined). These reports shall be submitted along with the "Fee Emissions Report" required pursuant to OAC rule 3745-78-02(A).
4. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.I. of these terms and conditions shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

- 1.a** Emission Limitations:
11.54 lbs OC/hr
36.0 tons OC/yr, from gelcoats (for emissions units R001, R002, R003, and R004, combined)

Applicable Compliance Method

The hourly allowable OC emission limitation was established as follows:

$$\text{allowable OC emissions (lbs/hr)} = \{W \times 0.68 \times [(1.036 \times P) - .195]\}^*$$

Where:

W = the maximum gelcoats usage rate (lbs/hr)

P = the maximum allowable monomer content (44%, by weight)

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR, Part 60, Appendix A.

Compliance with the annual allowable OC emission limitation shall be determined pursuant to the record keeping requirements established in sections A.III.3 and 5 of this permit.

* based on Equation 7, Page 13, "CFA Emission Models for the Reinforced Plastics Industries," February 28, 1998

- 1.b** Emission Limitations:
874 lbs OC/month and 5.2 tons OC/yr, from the use of cleanup materials (for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined)

Applicable Compliance Method:

Compliance with the monthly and annual allowable OC emission limitations above shall be determined pursuant to the record keeping requirements established in sections A.III.4 and 5 of this permit.

- 1.c** Emission Limitations:
0.31 lb PE/hr and 1.4 tons PE/yr

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation :

$$E = \text{PE rate (lbs/hr)}$$

$$E = \text{maximum coating solids usage, in pounds per hour} \times (1-TE)(1-CE) \text{ where}$$

TE = transfer efficiency, which is the ration of the amount of coating solids deposited on the coated part to the amount of coating solids used (assumed to be 62.5%)

CE = control efficiency of the control equipment (assumed to be 98%)

If required, the permittee shall demonstrate compliance with the above emissions limit in accordance with Methods 1 - 5, 40 CFR, Part 60 Appendix A.

The tons of PE/yr limitation was developed by multiplying the lb/hr limitation by 8760, and then dividing. Therefore provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

V. Testing Requirements (continued)

1.d Emission Limitation:
Visible PE shall not exceed 0 percent opacity as a six-minute average.

Applicable Compliance Method:
Compliance with the visible emissions limitation established by this permit shall be determined by Method 9, 40 CFR Part 60 Appendix A.

1.e Emission Limitations:
clear gelcoats - 44%, by weight
all other gelcoats - 30%, by weight

Applicable Compliance Method:
The permittee shall demonstrate compliance with the OC content limitations above through the record keeping requirements established in section A.III.2 of this permit.

2. USEPA Method 24 or Method 311 shall be used to determine the monomer (OC) content of each gelcoat. Formulation data or USEPA Method 24 shall be used to determine the OC content of each cleanup material.

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 Booth #3 on Main Resin Line (R003)
Activity Description: One of Four Gelcoat Booths on Main Resin Line

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>
main resin line gelcoat booth 3, with filtration system	OAC Rule 3745-31-05 (A)(3) (PTI 03-8793)	11.54 lbs organic compounds (OC)/hr, from gelcoats (for this emissions unit)
		36.0 tons OC/yr, from gelcoats (See A.I.2.b.)
		874 lbs OC per month and 5.2 tons OC/yr, from cleanup materials (See A.I.2.c.)
		1.4 tons particulate emissions (PE)//yr
		Visible PE shall not exceed 0 percent opacity, as a six-minute average.
		See A.II.
	The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-07(G)(2) and 3745-17-11(B).	
	OAC Rule 3745-17-11(B)(4)	0.31 lb PE/hr
	OAC Rule 3745-17-07(A)	See A.I.2.a.
	OAC Rule 3745-21-07(G)(2)	exempt, pursuant to OAC rule 3745-21-07(G)(9)(g) [See A.I.2.d.]

2. Additional Terms and Conditions

- 2.a The visible PE limitation specified by this rule is less stringent than the visible PE limitation established pursuant to OAC rule 3745-31-05.

2. Additional Terms and Conditions (continued)

- 2.b** The annual OC emissions, from gelcoats, for emissions units R001, R002, R003, and R004, combined, shall not exceed 36.0 tons.
- 2.c** The OC emissions, from cleanup materials, for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined, shall not exceed 874 lbs OC /month and 5.2 tons OC/yr.
- 2.d** In accordance with OAC rule 3745-21-07(G)(9)(g), best available technology (BAT) for this emissions unit, as established pursuant to OAC rule 3745-31-05, has been determined to be more stringent than, or inconsistent with, the requirements of OAC rule 3745-21-07(G).
- 2.e** The hourly OC emission limitation of 11.54 pounds was established for PTI purposes to reflect the emissions unit's potential to emit. Therefore, it is not necessary to develop monitoring, record keeping, and/or reporting requirements to ensure compliance with this limitation.

II. Operational Restrictions

- 1.** The maximum monomer content, in weight percent, as applied, for the gelcoats employed in this emissions unit shall not exceed the following:
 - a. clear gelcoats - 44%, by weight; and
 - b. all other gelcoats - 30%, by weight.
- 2.** The use of any cleanup material containing Hazardous Air Pollutants (HAPs) in this emissions unit, as defined in 112(G) of the Clean Air Act, is prohibited.
- 3.** The use of any photochemically reactive cleanup material in this emissions unit, as defined in OAC rule 3745-21-01(C)(5), is prohibited.
- 4.** The permittee shall operate the dry filtration system whenever this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

- 1.** The permittee shall maintain monthly records of the following information for this emissions unit:
 - a. the name and identification number of each cleanup material employed;
 - b. documentation on whether or not each cleanup material employed is a photochemically reactive material; and
 - c. documentation on whether or not each cleanup material employed contains any HAP.
- 2.** The permittee shall maintain daily records of the following information for this emissions unit:
 - a. the name and identification (i.e., clear gelcoat or another gelcoat) of each gelcoat employed; and
 - b. the monomer content, in weight percent, for each gelcoat, as applied.

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall collect and record the following information each month for emissions units R001, R002, R003, and R004, combined:

- a. the name and identification number of each gelcoat employed;
- b. the weight fraction of monomer, in percent OC (by weight), for each gelcoat, as applied;
- c. the weight, in pounds, of each gelcoat employed;
- d. the total OC emissions, in pounds, for each gelcoat employed, calculated using the following equation:

$$\text{Total OC emissions (lbs/month)} = W \times 0.68 \times [(1.036 \times P) - .195]^*$$

Where:

W = weight, in pounds of each gelcoat

P = the weight fraction of monomer, in percent OC, for each gelcoat, as applied; and

- e. the total OC emissions, in pounds, for all the gelcoats employed (summation of d for all gelcoats).

* based on Equation 7, Page 13, "CFA Emission Models for the Reinforced Plastics Industries," February 28, 1998

4. The permittee shall collect and record the following information each month for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined:

- a. the name and identification number of each cleanup material employed;
- b. the number of gallons of each cleanup material employed;
- c. the OC content of each cleanup material employed, in pounds per gallon;
- d. the total OC emission rate for each cleanup material employed (b x c), in pounds; and
- e. the total OC emission rate for all the cleanup materials employed (summation of d for all cleanup materials, divided by 2000), in tons.

The permittee may calculate the OC emissions from the cleanup materials in accordance with the following formula if waste cleanup materials are sent off site for disposal/reclamation:

OC emissions = summation of [(total gallons of each cleanup material used) x (solvent density of the cleanup material) - (total gallons of each cleanup material sent off site [minus solids] x (solvent density of the cleanup material))] for all cleanup materials employed

5. The permittee shall collect and record the following information each year:

- a. The total OC emissions for all the gelcoats employed in emissions units R001, R002, R003, and R004, combined (calculated by summing the monthly OC emission rates, from section A.III.3.e, for the calendar year, divided by 2000), in tons.
- b. The total OC emissions for all the cleanup materials employed in emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined (calculated by summing the monthly OC emission rates, from section A.III.4.e, for the calendar year), in tons.

III. Monitoring and/or Record Keeping Requirements (continued)

6. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following for this emissions unit
 - a. all periods of time during which a photochemically reactive cleanup material was employed;
 - b. all periods of time during which a cleanup material containing any HAP was employed;
 - c. all periods of time during which a noncomplying gelcoat (i.e., for weight percent of monomer) was employed, including the number of pounds of any noncomplying gelcoat used and the weight fraction of styrene monomer for such material.

All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the monthly OC emission limitation (from cleanup materials) of 874 pounds (for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined).

All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

3. The permittee shall submit annual reports that summarize the actual annual OC emissions (from the gelcoats) for emissions units R001, R002, R003, and R004, combined, and the actual annual OC emissions (from the cleanup materials) for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined). These reports shall be submitted along with the "Fee Emissions Report" required pursuant to OAC rule 3745-78-02(A).
4. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.I. of these terms and conditions shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

- 1.a** Emission Limitations:
11.54 lbs OC/hr
36.0 tons OC/yr, from gelcoats (for emissions units R001, R002, R003, and R004, combined)

Applicable Compliance Method

The hourly allowable OC emission limitation was established as follows:

$$\text{allowable OC emissions (lbs/hr)} = \{W \times 0.68 \times [(1.036 \times P) - .195]\}^*$$

Where:

W = the maximum gelcoats usage rate (lbs/hr)

P = the maximum allowable monomer content (44%, by weight)

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR, Part 60, Appendix A.

Compliance with the annual allowable OC emission limitation shall be determined pursuant to the record keeping requirements established in sections A.III.3 and 5 of this permit.

* based on Equation 7, Page 13, "CFA Emission Models for the Reinforced Plastics Industries," February 28, 1998

- 1.b** Emission Limitations:
874 lbs OC/month and 5.2 tons OC/yr, from the use of cleanup materials (for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined)

Applicable Compliance Method:

Compliance with the monthly and annual allowable OC emission limitations above shall be determined pursuant to the record keeping requirements established in sections A.III.4 and 5 of this permit.

- 1.c** Emission Limitations:
0.31 lb PE/hr and 1.4 tons PE/yr

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation :

$$E = \text{PE rate (lbs/hr)}$$

$$E = \text{maximum coating solids usage, in pounds per hour} \times (1-TE)(1-CE) \text{ where}$$

TE = transfer efficiency, which is the ration of the amount of coating solids deposited on the coated part to the amount of coating solids used (assumed to be 62.5%)

CE = control efficiency of the control equipment (assumed to be 98%)

If required, the permittee shall demonstrate compliance with the above emissions limit in accordance with Methods 1 - 5, 40 CFR, Part 60 Appendix A.

The tons of PE/yr limitation was developed by multiplying the lb/hr limitation by 8760, and then dividing. Therefore provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

V. Testing Requirements (continued)

- 1.d** Emission Limitation:
Visible PE shall not exceed 0 percent opacity as a six-minute average.

Applicable Compliance Method:
Compliance with the visible emissions limitation established by this permit shall be determined by Method 9, 40 CFR Part 60 Appendix A.

- 1.e** Emission Limitations:
clear gelcoats - 44%, by weight
all other gelcoats - 30%, by weight

Applicable Compliance Method:
The permittee shall demonstrate compliance with the OC content limitations above through the record keeping requirements established in section A.III.2 of this permit.

- 2.** USEPA Method 24 or Method 311 shall be used to determine the monomer (OC) content of each gelcoat. Formulation data or USEPA Method 24 shall be used to determine the OC content of each cleanup material.

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 Booth #4 on Main Resin Line (R004)
Activity Description: One of Four Gelcoat Booths on Main Resin Line

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>
main resin line gelcoat booth 4, with filtration system	OAC Rule 3745-31-05 (A)(3) (PTI 03-8793)	11.54 lbs organic compounds (OC)/hr, from gelcoats (for this emissions unit)
		36.0 tons OC/yr, from gelcoats (See A.I.2.b.)
		874 lbs OC per month and 5.2 tons OC/yr, from cleanup materials (See A.I.2.c.)
		1.4 tons particulate emissions (PE)//yr
		Visible PE shall not exceed 0 percent opacity, as a six-minute average.
		See A.II.
		The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-07(G)(2) and 3745-17-11(B).
	OAC Rule 3745-17-11(B)(4)	0.31 lb PE/hr
	OAC Rule 3745-17-07(A)	See A.I.2.a.
	OAC Rule 3745-21-07(G)(2)	exempt, pursuant to OAC rule 3745-21-07(G)(9)(g) [See A.I.2.d.]

2. Additional Terms and Conditions

- 2.a The visible PE limitation specified by this rule is less stringent than the visible PE limitation established pursuant to OAC rule 3745-31-05.

2. Additional Terms and Conditions (continued)

- 2.b** The annual OC emissions, from gelcoats, for emissions units R001, R002, R003, and R004, combined, shall not exceed 36.0 tons.
- 2.c** The OC emissions, from cleanup materials, for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined, shall not exceed 874 lbs OC /month and 5.2 tons OC/yr.
- 2.d** In accordance with OAC rule 3745-21-07(G)(9)(g), best available technology (BAT) for this emissions unit, as established pursuant to OAC rule 3745-31-05, has been determined to be more stringent than, or inconsistent with, the requirements of OAC rule 3745-21-07(G).
- 2.e** The hourly OC emission limitation of 11.54 pounds was established for PTI purposes to reflect the emissions unit's potential to emit. Therefore, it is not necessary to develop monitoring, record keeping, and/or reporting requirements to ensure compliance with this limitation.

II. Operational Restrictions

- 1.** The maximum monomer content, in weight percent, as applied, for the gelcoats employed in this emissions unit shall not exceed the following:
 - a. clear gelcoats - 44%, by weight; and
 - b. all other gelcoats - 30%, by weight.
- 2.** The use of any cleanup material containing Hazardous Air Pollutants (HAPs) in this emissions unit, as defined in 112(G) of the Clean Air Act, is prohibited.
- 3.** The use of any photochemically reactive cleanup material in this emissions unit, as defined in OAC rule 3745-21-01(C)(5), is prohibited.
- 4.** The permittee shall operate the dry filtration system whenever this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

- 1.** The permittee shall maintain monthly records of the following information for this emissions unit:
 - a. the name and identification number of each cleanup material employed;
 - b. documentation on whether or not each cleanup material employed is a photochemically reactive material; and
 - c. documentation on whether or not each cleanup material employed contains any HAP.
- 2.** The permittee shall maintain daily records of the following information for this emissions unit:
 - a. the name and identification (i.e., clear gelcoat or another gelcoat) of each gelcoat employed; and
 - b. the monomer content, in weight percent, for each gelcoat, as applied.

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall collect and record the following information each month for emissions units R001, R002, R003, and R004, combined:

- a. the name and identification number of each gelcoat employed;
- b. the weight fraction of monomer, in percent OC (by weight), for each gelcoat, as applied;
- c. the weight, in pounds, of each gelcoat employed;
- d. the total OC emissions, in pounds, for each gelcoat employed, calculated using the following equation:

$$\text{Total OC emissions (lbs/month)} = W \times 0.68 \times [(1.036 \times P) - .195]^*$$

Where:

W = weight, in pounds of each gelcoat

P = the weight fraction of monomer, in percent OC, for each gelcoat, as applied; and

- e. the total OC emissions, in pounds, for all the gelcoats employed (summation of d for all gelcoats).

* based on Equation 7, Page 13, "CFA Emission Models for the Reinforced Plastics Industries," February 28, 1998

4. The permittee shall collect and record the following information each month for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined:

- a. the name and identification number of each cleanup material employed;
- b. the number of gallons of each cleanup material employed;
- c. the OC content of each cleanup material employed, in pounds per gallon;
- d. the total OC emission rate for each cleanup material employed (b x c), in pounds; and
- e. the total OC emission rate for all the cleanup materials employed (summation of d for all cleanup materials, divided by 2000), in tons.

The permittee may calculate the OC emissions from the cleanup materials in accordance with the following formula if waste cleanup materials are sent off site for disposal/reclamation:

OC emissions = summation of [(total gallons of each cleanup material used) x (solvent density of the cleanup material) - (total gallons of each cleanup material sent off site [minus solids] x (solvent density of the cleanup material))] for all cleanup materials employed

5. The permittee shall collect and record the following information each year:

- a. The total OC emissions for all the gelcoats employed in emissions units R001, R002, R003, and R004, combined (calculated by summing the monthly OC emission rates, from section A.III.3.e, for the calendar year, divided by 2000), in tons.
- b. The total OC emissions for all the cleanup materials employed in emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined (calculated by summing the monthly OC emission rates, from section A.III.4.e, for the calendar year), in tons.

III. Monitoring and/or Record Keeping Requirements (continued)

6. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following for this emissions unit
 - a. all periods of time during which a photochemically reactive cleanup material was employed;
 - b. all periods of time during which a cleanup material containing any HAP was employed;
 - c. all periods of time during which a noncomplying gelcoat (i.e., for weight percent of monomer) was employed, including the number of pounds of any noncomplying gelcoat used and the weight fraction of styrene monomer for such material.

All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the monthly OC emission limitation (from cleanup materials) of 874 pounds (for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined).

All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

3. The permittee shall submit annual reports that summarize the actual annual OC emissions (from the gelcoats) for emissions units R001, R002, R003, and R004, combined, and the actual annual OC emissions (from the cleanup materials) for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined). These reports shall be submitted along with the "Fee Emissions Report" required pursuant to OAC rule 3745-78-02(A).
4. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.I. of these terms and conditions shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

- 1.a** Emission Limitations:
11.54 lbs OC/hr
36.0 tons OC/yr, from gelcoats (for emissions units R001, R002, R003, and R004, combined)

Applicable Compliance Method

The hourly allowable OC emission limitation was established as follows:

$$\text{allowable OC emissions (lbs/hr)} = \{W \times 0.68 \times [(1.036 \times P) - .195]\}^*$$

Where:

W = the maximum gelcoats usage rate (lbs/hr)

P = the maximum allowable monomer content (44%, by weight)

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR, Part 60, Appendix A.

Compliance with the annual allowable OC emission limitation shall be determined pursuant to the record keeping requirements established in sections A.III.3 and 5 of this permit.

* based on Equation 7, Page 13, "CFA Emission Models for the Reinforced Plastics Industries," February 28, 1998

- 1.b** Emission Limitations:
874 lbs OC/month and 5.2 tons OC/yr, from the use of cleanup materials (for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined)

Applicable Compliance Method:

Compliance with the monthly and annual allowable OC emission limitations above shall be determined pursuant to the record keeping requirements established in sections A.III.4 and 5 of this permit.

- 1.c** Emission Limitations:
0.31 lb PE/hr and 1.4 tons PE/yr

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation :

$$E = \text{PE rate (lbs/hr)}$$

$$E = \text{maximum coating solids usage, in pounds per hour} \times (1-TE)(1-CE) \text{ where}$$

TE = transfer efficiency, which is the ration of the amount of coating solids deposited on the coated part to the amount of coating solids used (assumed to be 62.5%)

CE = control efficiency of the control equipment (assumed to be 98%)

If required, the permittee shall demonstrate compliance with the above emissions limit in accordance with Methods 1 - 5, 40 CFR, Part 60 Appendix A.

The tons of PE/yr limitation was developed by multiplying the lb/hr limitation by 8760, and then dividing. Therefore provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

V. Testing Requirements (continued)

1.d Emission Limitation:
Visible PE shall not exceed 0 percent opacity as a six-minute average.

Applicable Compliance Method:
Compliance with the visible emissions limitation established by this permit shall be determined by Method 9, 40 CFR Part 60 Appendix A.

1.e Emission Limitations:
clear gelcoats - 44%, by weight
all other gelcoats - 30%, by weight

Applicable Compliance Method:
The permittee shall demonstrate compliance with the OC content limitations above through the record keeping requirements established in section A.III.2 of this permit.

2. USEPA Method 24 or Method 311 shall be used to determine the monomer (OC) content of each gelcoat. Formulation data or USEPA Method 24 shall be used to determine the OC content of each cleanup material.

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 Booth on Custom Resin Line (R005)

Activity Description: Gelcoat Booth on Custom Resin Line

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>
custom resin line gelcoat spray booth, with filtration system	OAC Rule 3745-31-05 (A)(3) (PTI 03-8793)	6.11 lbs organic compounds (OC)/hr and 15.2 tons OC/yr, from gelcoats (for this emissions unit) 874 lbs OC per month and 5.2 tons OC/yr, from cleanup materials (See A.I.2.b.) 0.7 ton particulate emissions (PE)//yr Visible PE shall not exceed 0 percent opacity, as a six-minute average. See A.II.
	OAC Rule 3745-17-11(B)(4)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-07(G)(2) and 3745-17-11(B).
	OAC Rule 3745-17-07(A)	0.16 lb PE/hr See A.I.2.a.
	OAC Rule 3745-21-07(G)(2)	exempt, pursuant to OAC rule 3745-21-07(G)(9)(g) [See A.I.2.d.]

2. Additional Terms and Conditions

- 2.a The visible PE limitation specified by this rule is less stringent than the visible PE limitation established pursuant to OAC rule 3745-31-05.
- 2.b The OC emissions, from cleanup materials, for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined, shall not exceed 874 lbs OC /month and 5.2 tons OC/yr.

2. Additional Terms and Conditions (continued)

- 2.c** In accordance with OAC rule 3745-21-07(G)(9)(g), best available technology (BAT) for this emissions unit, as established pursuant to OAC rule 3745-31-05, has been determined to be more stringent than, or inconsistent with, the requirements of OAC rule 3745-21-07(G).
- 2.d** The hourly OC emission limitation of 6.11 pounds was established for PTI purposes to reflect the emissions unit's potential to emit. Therefore, it is not necessary to develop monitoring, record keeping, and/or reporting requirements to ensure compliance with this limitation.

II. Operational Restrictions

- 1.** The maximum monomer content, in weight percent, as applied, for the gelcoats employed in this emissions unit shall not exceed the following:
 - a. clear gelcoats - 44%, by weight; and
 - b. all other gelcoats - 30%, by weight.
- 2.** The use of any cleanup material containing Hazardous Air Pollutants (HAPs) in this emissions unit, as defined in 112(G) of the Clean Air Act, is prohibited.
- 3.** The use of any photochemically reactive cleanup material in this emissions unit, as defined in OAC rule 3745-21-01(C)(5), is prohibited.
- 4.** The permittee shall operate the dry filtration system whenever this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

- 1.** The permittee shall maintain monthly records of the following information for this emissions unit:
 - a. the name and identification number of each cleanup material employed;
 - b. documentation on whether or not each cleanup material employed is a photochemically reactive material; and
 - c. documentation on whether or not each cleanup material employed contains any HAP.
- 2.** The permittee shall maintain daily records of the following information for this emissions unit:
 - a. the name and identification (i.e., clear gelcoat or another gelcoat) of each gelcoat employed; and
 - b. the monomer content, in weight percent, for each gelcoat, as applied.

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall collect and record the following information each month for this emissions unit:
- the name and identification number of each gelcoat employed;
 - the weight fraction of monomer, in percent OC (by weight), for each gelcoat, as applied;
 - the weight, in pounds, of each gelcoat employed;
 - the total OC emissions, in pounds, for each gelcoat employed, calculated using the following equation:

$$\text{Total OC emissions (lbs/month)} = W \times 0.68 \times [(1.036 \times P) - .195]^*$$

Where:

W = weight, in pounds of each gelcoat

P = the weight fraction of monomer, in percent OC, for each gelcoat, as applied; and

- the total OC emissions, in pounds, for all the gelcoats employed (summation of d for all gelcoats).

* based on Equation 7, Page 13, "CFA Emission Models for the Reinforced Plastics Industries," February 28, 1998

4. The permittee shall collect and record the following information each month for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined:
- the name and identification number of each cleanup material employed;
 - the number of gallons of each cleanup material employed;
 - the OC content of each cleanup material employed, in pounds per gallon;
 - the total OC emission rate for each cleanup material employed (b x c), in pounds; and
 - the total OC emission rate for all the cleanup materials employed (summation of d for all cleanup materials, divided by 2000), in tons.

The permittee may calculate the OC emissions from the cleanup materials in accordance with the following formula if waste cleanup materials are sent off site for disposal/reclamation:

OC emissions = summation of [(total gallons of each cleanup material used) x (solvent density of the cleanup material) - (total gallons of each cleanup material sent off site [minus solids] x (solvent density of the cleanup material))] for all cleanup materials employed

5. The permittee shall collect and record the following information each year:
- The total OC emissions for all the gelcoats employed in this emissions unit (calculated by summing the monthly OC emission rates, from section A.III.3.e, for the calendar year, divided by 2000), in tons.
 - The total OC emissions for all the cleanup materials employed in emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined (calculated by summing the monthly OC emission rates, from section A.III.4.e, for the calendar year), in tons.
6. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following for this emissions unit
 - a. all periods of time during which a photochemically reactive cleanup material was employed;
 - b. all periods of time during which a cleanup material containing any HAP was employed;
 - c. all periods of time during which a noncomplying gelcoat (i.e., for weight percent of monomer) was employed, including the number of pounds of any noncomplying gelcoat used and the weight fraction of styrene monomer for such material.

All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the monthly OC emission limitation (from cleanup materials) of 874 pounds (for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined).

All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

3. The permittee shall submit annual reports that summarize the actual annual OC emissions (from the gelcoats) for this emissions unit, and the actual annual OC emissions (from the cleanup materials) for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined. These reports shall be submitted along with the "Fee Emissions Report" required pursuant to OAC rule 3745-78-02(A).
4. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.I. of these terms and conditions shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

- 1.a** Emission Limitations:
6.11 lbs OC/hr, from gelcoats (for this emissions unit)
15.2 tons OC/yr, from gelcoats (for this emissions unit)

Applicable Compliance Method

The hourly allowable OC emission limitation was established as follows:

$$\text{allowable OC emissions (lbs/hr)} = \{W \times 0.68 \times [(1.036 \times P) - .195]\}^*$$

Where:

W = the maximum gelcoats usage rate (lbs/hr)

P = the maximum allowable monomer content (44%, by weight)

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR, Part 60, Appendix A.

Compliance with the annual allowable OC emission limitation shall be determined pursuant to the record keeping requirements established in sections A.III.3 and 5 of this permit.

* based on Equation 7, Page 13, "CFA Emission Models for the Reinforced Plastics Industries," February 28, 1998

- 1.b** Emission Limitations:
874 lbs OC/month and 5.2 tons OC/yr, from the use of cleanup materials (for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined)

Applicable Compliance Method:

Compliance with the monthly and annual allowable OC emission limitations above shall be determined pursuant to the record keeping requirements established in sections A.III.4 and 5 of this permit.

- 1.c** Emission Limitations:
0.16 lb PE/hr and 0.7 ton PE/yr

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation :

E = PE rate (lbs/hr)

E = maximum coating solids usage, in pounds per hour x (1-TE)(1-CE) where

TE = transfer efficiency, which is the ration of the amount of coating solids deposited on the coated part to the amount of coating solids used (assumed to be 62.5%)

CE = control efficiency of the control equipment (assumed to be 98%)

If required, the permittee shall demonstrate compliance with the above emissions limit in accordance with Methods 1 - 5, 40 CFR, Part 60 Appendix A.

The tons of PE/yr limitation was developed by multiplying the lb/hr limitation by 8760, and then dividing. Therefore provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

V. Testing Requirements (continued)

1.d Emission Limitation:
Visible PE shall not exceed 0 percent opacity as a six-minute average.

Applicable Compliance Method:
Compliance with the visible emissions limitation established by this permit shall be determined by Method 9, 40 CFR Part 60 Appendix A.

1.e Emission Limitations:
clear gelcoats - 44%, by weight
all other gelcoats - 30%, by weight

Applicable Compliance Method:
The permittee shall demonstrate compliance with the OC content limitations above through the record keeping requirements established in section A.III.2 of this permit.

2. USEPA Method 24 or Method 311 shall be used to determine the monomer (OC) content of each gelcoat. Formulation data or USEPA Method 24 shall be used to determine the OC content of each cleanup material.

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: Main Line #2 Gelcoat Booth and Curing Tunnel (R010)
Activity Description: Gelcoat Booth and Curing Tunnel

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>
gelcoat spray booth, with filtration system and curing tunnel (main line 2)	OAC Rule 3745-31-05 (A)(3) (PTI 03-13262)	19.51 lbs organic compounds (OC)/hr and 33.8 tons OC/yr, from gelcoats (for this emissions unit)
		874 lbs OC per month and 5.2 tons OC/yr, from cleanup materials (See A.I.2.b.)
		2.3 tons particulate emissions (PE)//yr
		Visible PE shall not exceed 0 percent opacity, as a six-minute average.
		See A.II.
		The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-07(G)(2), and 3745-31-28 and 3745-17-11(B).
		0.53 lb PE/hr
	OAC Rule 3745-17-11(B)(4)	See A.I.2.a.
	OAC Rule 3745-17-07(A)	exempt, pursuant to OAC rule 3745-21-07(G)(9)(g) [See A.I.2.d.]
	OAC Rule 3745-21-07(G)(2)	MACT for this emissions unit has been determined to be the operational restrictions in sections A.II.1. and A.II.2. below.
	OAC Rule 3745-31-28	

2. Additional Terms and Conditions

- 2.a** The visible PE limitation specified by this rule is less stringent than the visible PE limitation established pursuant to OAC rule 3745-31-05.
- 2.b** The OC emissions, from cleanup materials, for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined, shall not exceed 874 lbs OC /month and 5.2 tons OC/yr.
- 2.c** In accordance with OAC rule 3745-21-07(G)(9)(g), best available technology (BAT) for this emissions unit, as established pursuant to OAC rule 3745-31-05, has been determined to be more stringent than, or inconsistent with, the requirements of OAC rule 3745-21-07(G).
- 2.d** The hourly OC emission limitation of 19.51 pounds was established for PTI purposes to reflect the emissions unit's potential to emit. Therefore, it is not necessary to develop monitoring, record keeping, and/or reporting requirements to ensure compliance with this limitation.

II. Operational Restrictions

- 1.** The maximum monomer content, in weight percent, as applied, for the gelcoats employed in this emissions unit shall not exceed the following:
 - a. clear gelcoats - 44%, by weight; and
 - b. all other gelcoats - 30%, by weight.
- 2.** The use of any cleanup material containing Hazardous Air Pollutants (HAPs) in this emissions unit, as defined in 112(G) of the Clean Air Act, is prohibited.
- 3.** The use of any photochemically reactive cleanup material in this emissions unit, as defined in OAC rule 3745-21-01(C)(5), is prohibited.
- 4.** The permittee shall operate the dry filtration system whenever this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

- 1.** The permittee shall maintain monthly records of the following information for this emissions unit:
 - a. the name and identification number of each cleanup material employed;
 - b. documentation on whether or not each cleanup material employed is a photochemically reactive material; and
 - c. documentation on whether or not each cleanup material employed contains any HAP.
- 2.** The permittee shall maintain daily records of the following information for this emissions unit:
 - a. the name and identification (i.e., clear gelcoat or another gelcoat) of each gelcoat employed; and
 - b. the monomer content, in weight percent, for each gelcoat, as applied.

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall collect and record the following information each month for this emissions unit:
- the name and identification number of each gelcoat employed;
 - the weight fraction of monomer, in percent OC (by weight), for each gelcoat, as applied;
 - the weight, in pounds, of each gelcoat employed;
 - the total OC emissions, in pounds, for each gelcoat employed, calculated using the following equation:

$$\text{Total OC emissions (lbs/month)} = W \times 0.68 \times [(1.036 \times P) - .195]^*$$

Where:

W = weight, in pounds of each gelcoat

P = the weight fraction of monomer, in percent OC, for each gelcoat, as applied; and

- the total OC emissions, in pounds, for all the gelcoats employed (summation of d for all gelcoats).

* based on Equation 7, Page 13, "CFA Emission Models for the Reinforced Plastics Industries," February 28, 1998

4. The permittee shall collect and record the following information each month for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined:
- the name and identification number of each cleanup material employed;
 - the number of gallons of each cleanup material employed;
 - the OC content of each cleanup material employed, in pounds per gallon;
 - the total OC emission rate for each cleanup material employed (b x c), in pounds; and
 - the total OC emission rate for all the cleanup materials employed (summation of d for all cleanup materials, divided by 2000), in tons.

The permittee may calculate the OC emissions from the cleanup materials in accordance with the following formula if waste cleanup materials are sent off site for disposal/reclamation:

OC emissions = summation of [(total gallons of each cleanup material used) x (solvent density of the cleanup material) - (total gallons of each cleanup material sent off site [minus solids] x (solvent density of the cleanup material))] for all cleanup materials employed

5. The permittee shall collect and record the following information each year:
- The total OC emissions for all the gelcoats employed in this emissions unit (calculated by summing the monthly OC emission rates, from section A.III.3.e, for the calendar year, divided by 2000), in tons.
 - The total OC emissions for all the cleanup materials employed in emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined (calculated by summing the monthly OC emission rates, from section A.III.4.e, for the calendar year), in tons.
6. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following for this emissions unit
 - a. all periods of time during which a photochemically reactive cleanup material was employed;
 - b. all periods of time during which a cleanup material containing any HAP was employed;
 - c. all periods of time during which a noncomplying gelcoat (i.e., for weight percent of monomer) was employed, including the number of pounds of any noncomplying gelcoat used and the weight fraction of styrene monomer for such material.

All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the monthly OC emission limitation (from cleanup materials) of 874 pounds (for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined).

All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

3. The permittee shall submit annual reports that summarize the actual annual OC emissions (from the gelcoats) for this emissions unit, and the actual annual OC emissions (from the cleanup materials) for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined. These reports shall be submitted along with the "Fee Emissions Report" required pursuant to OAC rule 3745-78-02(A).
4. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.I. of these terms and conditions shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

- 1.a** Emission Limitations:
19.51 lbs OC/hr, from gelcoats (for this emissions unit)
33.8 tons OC/yr, from gelcoats (for this emissions unit)

Applicable Compliance Method

The hourly allowable OC emission limitation was established as follows:

$$\text{allowable OC emissions (lbs/hr)} = \{W \times 0.68 \times [(1.036 \times P) - .195]\}^*$$

Where:

W = the maximum gelcoats usage rate (lbs/hr)

P = the maximum allowable monomer content (44%, by weight)

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR, Part 60, Appendix A.

Compliance with the annual allowable OC emission limitation shall be determined pursuant to the record keeping requirements established in sections A.III.3 and 5 of this permit.

* based on Equation 7, Page 13, "CFA Emission Models for the Reinforced Plastics Industries," February 28, 1998

- 1.b** Emission Limitations:
874 lbs OC/month and 5.2 tons OC/yr, from the use of cleanup materials (for emissions units P001, P004, P010, R001, R002, R003, R004, R005, and R010, combined)

Applicable Compliance Method:

Compliance with the monthly and annual allowable OC emission limitations above shall be determined pursuant to the record keeping requirements established in sections A.III.4 and 5 of this permit.

- 1.c** Emission Limitations:
0.53 lb PE/hr and 2.3 tons PE/yr

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation may be used for the paint spraying operation :

E = PE rate (lbs/hr)

E = maximum coating solids usage, in pounds per hour x (1-TE)(1-CE) where

TE = transfer efficiency, which is the ration of the amount of coating solids deposited on the coated part to the amount of coating solids used (assumed to be 62.5%)

CE = control efficiency of the control equipment (assumed to be 98%)

If required, the permittee shall demonstrate compliance with the above emissions limit in accordance with Methods 1 - 5, 40 CFR, Part 60 Appendix A.

The tons of PE/yr limitation was developed by multiplying the lb/hr limitation by 8760, and then dividing. Therefore provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

V. Testing Requirements (continued)

1.d Emission Limitation:
Visible PE shall not exceed 0 percent opacity as a six-minute average.

Applicable Compliance Method:
Compliance with the visible emissions limitation established by this permit shall be determined by Method 9, 40 CFR Part 60 Appendix A.

1.e Emission Limitations:
clear gelcoats - 44%, by weight
all other gelcoats - 30%, by weight

Applicable Compliance Method:
The permittee shall demonstrate compliance with the OC content limitations above through the record keeping requirements established in section A.III.2 of this permit.

2. USEPA Method 24 or Method 311 shall be used to determine the monomer (OC) content of each gelcoat. Formulation data or USEPA Method 24 shall be used to determine the OC content of each cleanup material.

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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