



State of Ohio Environmental Protection Agency

STREET ADDRESS:

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50 W. Town St., Suite 700
Columbus, Ohio 43215

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MAILING ADDRESS:

P.O. Box 1049
Columbus, OH 43216-1049

9/26/2008

Bret Busch
AL-CO Products, Inc.
485 SECOND ST
LATTY, OH 45855

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0363000035
Permit Number: 03-09641
Permit Type: Initial Installation
County: Paulding

Certified Mail

| | |
|----|----------------------|
| No | TOXIC REVIEW |
| No | PSD |
| No | SYNTHETIC MINOR |
| No | CEMS |
| No | MACT |
| No | NSPS |
| No | NESHAPS |
| No | NETTING |
| No | MAJOR NON-ATTAINMENT |
| No | MODELING SUBMITTED |

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install and Operate ("PTIO") which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully.

Ohio EPA maintains a document entitled "Frequently Asked Questions about the PTIO". The document can be downloaded from the DAPC Web page, www.epa.state.oh.us/dapc, from the "Permits" link. This document contains additional information related to your permit, such as what activities are covered under the PTIO, who has enforcement authority over the permit and Ohio EPA's authorization to inspect your facility and records. Please contact the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469 if you need assistance.

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission ("ERAC") under Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and describe the action complained of and the grounds for the appeal. The appeal must be filed with the ERAC within thirty (30) days after notice of the Director's action. A filing fee of \$70.00 must be submitted to the ERAC with the appeal, although the ERAC, has discretion to reduce the amount of the filing fee if you can demonstrate (by affidavit) that payment of the full amount of the fee would cause extreme hardship. If you file an appeal of this action, you must notify Ohio EPA of the filing of the appeal (by providing a copy to the Director) within three (3) days of filing your appeal with the ERAC. Ohio EPA requests that a copy of the appeal also be provided to the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the ERAC at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

If you have any questions regarding this permit, please contact the Ohio EPA DAPC, Northwest District Office. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page www.epa.state.oh.us/dapc.

Sincerely,

Michael W. Ahern
Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: Ohio EPA-NWDO

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director



**State of Ohio Environmental Protection Agency
Division of Air Pollution Control**

FINAL

**Air Pollution Permit-to-Install and Operate
for
AL-CO Products, Inc.**

Facility ID: 0363000035
Permit Number: 03-09641
Permit Type: Initial Installation
Issued: 9/26/2008
Effective: 9/26/2008
Expiration: 9/26/2013



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Air Pollution Permit-to-Install and Operate
for
AL-CO Products, Inc.

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Final Permit-to-Install and Operate
Permit Number: 03-09641
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Effective Date: 9/26/2008

Authorization

Facility ID: 0363000035
Application Number(s): A0004528
Permit Number: 03-09641
Permit Description: Administrative modification of PTI issued May 21, 1997 to incorporate revisions based on updated emissions information for polyester resin casting and gelcoat.
Permit Type: Initial Installation
Permit Fee: \$200.00
Issue Date: 9/26/2008
Effective Date: 9/26/2008
Expiration Date: 9/26/2013
Permit Evaluation Report (PER) Annual Date: Apr 1 - Mar 31, Due May 15
This document constitutes issuance to:

AL-CO Products, Inc.
485 SECOND ST
LATTY, OH 45855

of a Permit-to-Install and Operate for the emissions unit(s) identified on the following page.

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

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

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s)) listed in this section pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate
Permit Number: 03-09641
Facility ID: 0363000035
Effective Date: 9/26/2008

Authorization (continued)

Permit Number: 03-09641

Permit Description: Administrative modification of PTI issued May 21, 1997 to incorporate revisions based on updated emissions information for polyester resin casting and gelcoat.

Permits for the following emissions unit(s) or groups of emissions units are in this document as indicated below:

| | |
|-----------------------------------|-------------------|
| Emissions Unit ID: | P001 |
| Company Equipment ID: | Casting Area |
| Superseded Permit Number: | |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | R001 |
| Company Equipment ID: | Gel Coat Booth #1 |
| Superseded Permit Number: | |
| General Permit Category and Type: | Not Applicable |



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: 03-09641

Facility ID: 0363000035

Effective Date: 9/26/2008

A. Standard Terms and Conditions



1. What does this permit-to-install and operate ("PTIO") allow me to do?

This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

2. Who is responsible for complying with this permit?

The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.

The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

3. What records must I keep under this permit?

You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

4. What are my permit fees and when do I pay them?

There are two fees associated with permitted air contaminant sources in Ohio:

- PTIO fee. This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

- Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. For facilities that are permitted as synthetic minor sources, the fee schedule is adjusted annually for inflation. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

5. When does my PTIO expire, and when do I need to submit my renewal application?

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.



If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

6. What happens to this permit if my project is delayed or I do not install or modify my source?

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

7. What reports must I submit under this permit?

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).

The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.



10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Ohio EPA DAPC, Northwest District Office in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

12. What happens if one or more emissions units operated under this permit is/are shut down permanently?

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emission unit once the certification has been submitted to Ohio EPA by the authorized official.

You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.

Again, you cannot resume operation of any emissions unit certified by the authorized official as being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

13. Can I transfer this permit to a new owner or operator?

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: 03-09641

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change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

15. What happens if a portion of this permit is determined to be invalid?

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

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Effective Date: 9/26/2008

AL-CO PRODUCTS

B. Facility-Wide Terms and Conditions



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: 03-09641

Facility ID: 0363000035

Effective Date: 9/26/2008

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (1) None.
 - b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (1) None.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

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Effective Date: 9/26/2008

C. Emissions Unit Terms and Conditions



1. P001, Casting Area

Operations, Property and/or Equipment Description:

Casting Operation - Polyester Resin (Manual Open Molding) (Administrative modification of PTI 03-9641 issued May 21, 1997 to incorporate revisions based on updated OC emission factor information)

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. b)(1)b, b)(2)a, d)(2)b.,e)(1)b, f)(1)b.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|----|-------------------------------|--|
| a. | OAC rule 3745-31-05(A)(3) | 0.97 lb OC /hr, from casting operations 0.58 ton OC /month, 7.0 ton /yr, from cleanup operations (for emissions units P001 and R001 combined) |
| b. | OAC rule 3745-31-05(D) | 9.9 tons organic compounds (OC) per rolling 12-month period, from casting and gelcoat operations (for emissions units P001 and R001 combined) [See b)(2)a] |
| c. | OAC rule 3745-21-07(G)(2) | See b)(2)b, b)(2)d, and c)(2). |

(2) Additional Terms and Conditions

a. Combined annual hazardous air pollutant (HAP) emissions resulting from the use of polyester resin materials in emissions units P001, R001, and R002, combined, shall not exceed 9.9 tons per rolling 12-month period for HAPs. (All OC is assumed to be HAPs)



This emissions unit has been in operation for over 12 months and, for the purposes of demonstrating compliance with the first 12 months of the rolling restriction, the permittee shall use existing records verified by the Ohio EPA, Northwest District Office.

- b. The hourly emission limitation specified by this rule is less stringent than the hourly and daily emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- c. The hourly OC emission limitation represents the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with this emission limitation.
- d. On February 18, 2008 Ohio EPA rescinded existing rule 3745-21-07 of the Ohio Administrative Code (OAC) and adopted new rule 3745-21-07. The new OAC rule 3745-21-07 does not establish any requirements for this emissions unit. The rule rescindment and new rule shall be federally enforceable on the date the U.S. EPA approves a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the rule rescindment and new OAC rule 3745-21-07, the requirement to comply with OAC rule 3745-21-07 (G) (2) still exists as part of the federally-approved SIP of Ohio. It should be noted that the requirements to comply with OAC rule 3745-21-07(G)(2) shall terminate on the date the U.S. EPA approves the rule rescindment and new rule as a revision of the Ohio SIP.

c) Operational Restrictions

- (1) The permittee shall not employ any cleanup material in this emissions unit that contains any HAPs. "HAPs" is defined in OAC rule 3745-31-01(WW).
- (2) The permittee shall not employ any cleanup material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall collect and record the following information for each day for this emissions unit:
 - a. the company name and identification for each resin employed;
 - b. the amount of each resin employed, in pounds;
 - c. the amount of OC (i.e. monomer), in percent by weight, of each resin employed;
 - d. the OC emission rate* for each resin employed [$“(1)b” \times “(1)c” \times 0.03$], in pounds; and
 - e. the total OC emission rate for all the resins employed, in pounds [summation of $“(1)d”$ for all resins].

* based on Composite Fabricators Association (CFA) emissions factors for closed molding (April 2003)



- (2) The permittee shall, in conjunction with the information required in d)(1), collect and record the following information each month for emissions units P001 and R001, combined:
 - a. the total OC emission rate for all the resins /gelcoats employed, in pounds; and
 - b. the rolling, 12-month combined HAPs emissions (from resin /gelcoat operations), in tons.

- (3) The permittee shall calculate and record the following information each month, for emissions units P001 and R001, combined:
 - a. the company identification for each cleanup material employed;
 - b. documentation on whether or not each cleanup material employed is a photochemically reactive material or contains HAPs;
 - c. the quantity of each cleanup material employed, in gallons;
 - d. the OC content of each cleanup material employed, in pounds/gallon;
 - e. the OC emissions for each cleanup material employed [{"(3)c" x "(3)d"}], in pounds; and
 - f. the total OC emissions for all the cleanup materials employed [summation of (3)e for all cleanup materials], in pounds, converted to tons.

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

OC emissions from cleanup operations = (total gallons of cleanup material used x solvent density of cleanup material) - (total gallons cleanup material sent off-site for disposal or reclamation [minus solids content of said material]) x solvent density.

e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports for this emissions unit identify the following:
 - a. all exceedances of the 0.58 tons OC /month (from cleanup); and
 - b. all exceedances of the 9.9 tons OC (HAPs) per rolling, 12-month period.

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted (postmarked) each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the director (the appropriate district office or local air agency).



- (2) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

- (1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following method(s):

- a. Emission Limitation:
0.97 lb OC /hr

Applicable Compliance Method:

The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established based on a maximum throughput of 98 lbs resin per hour, multiplied by a maximum styrene (OC monomer) content of 0.33 (33%), then multiplied by an emission factor of 0.03 (3%) (based on CFA emission factor).

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation based on Methods 18, 25, 25a, as appropriate, of 40 CFR Part 60.

- b. Emission Limitation:
9.9 tons OC/HAPS /yr, from casting and gelcoat operations(for emissions units P001 and R001, combined)

Applicable Compliance Method:

The permittee shall demonstrate compliance with this emission limitation through the record keeping required in d)(2).

- c. Emission Limitations:
0.58 ton OC /month, 7.0 ton /yr, from cleanup operations (for emissions units P001 and R001, combined)

Applicable Compliance Method:

The permittee shall demonstrate compliance with the monthly emission limitation through the record keeping required in d)(3).

The annual allowable OC limitation was developed by multiplying the monthly limitation by a maximum operating schedule of 12 months, and then dividing by 2000. Therefore, if compliance is shown with the monthly limitation, compliance is shown with the annual limitation.

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



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g) Miscellaneous Requirements

- (1) The terms and conditions contained in this permit for this emissions unit shall supersede all the air pollution control requirements for the emissions unit contained in the permit to install 03-09641 issued on May 21, 1997.



2. R001, Gel Coat Booth #1

Operations, Property and/or Equipment Description:

Gelcoat Spray Booth (non-atomized spray) (Administrative modification of PTI 03-9641 issued May 21, 1997- updated OC emission factor information)

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. b)(1)b., b)(2)a., d)(2)b., e)(1)b., f)(1)b.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|----|-------------------------------|---|
| a. | OAC rule 3745-31-05(A)(3) | 5.8 lbs OC /hr, from gelcoat operations 0.58 ton OC /month, 7.0 ton /yr, from cleanup operations (for emissions units P001 and R001, combined) See c)(1). |
| b. | OAC rule 3745-31-05(D) | 9.9 tons organic compounds (OC) per rolling 12-month period, from casting and gelcoat operations (for emissions units P001 and R001 combined) [See b)(2)a] |
| c. | OAC rule 3745-21-07(G)(2) | 40 lbs OC /day, from gelcoat operations See b)(2)b, b)(2)d, and c)(2). |



(2) Additional Terms and Conditions

- a. Combined annual hazardous air pollutant (HAP) emissions resulting from the use of polyester resin materials in emissions units P001 and R001, combined, shall not exceed 9.9 tons per rolling 12-month period for HAPs. (All OC is assumed to be HAPs)

This emissions unit has been in operation for over 12 months and, for the purposes of demonstrating compliance with the first 12 months of the rolling restriction, the permittee shall use existing records verified by the Ohio EPA, Northwest District Office.

- b. The hourly emission limitation specified by this rule is less stringent than the hourly emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- c. The hourly OC emission limitation represents the potential to emit for this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure compliance with this emission limitation.
- d. On February 18, 2008 Ohio EPA rescinded existing rule 3745-21-07 of the Ohio Administrative Code (OAC) and adopted new rule 3745-21-07. The new OAC rule 3745-21-07 does not establish any requirements for this emissions unit. The rule rescindment and new rule shall be federally enforceable on the date the U.S. EPA approves a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the rule rescindment and new OAC rule 3745-21-07, the requirement to comply with OAC rule 3745-21-07 (G) (2) still exists as part of the federally-approved SIP of Ohio. It should be noted that the requirements to comply with OAC rule 3745-21-07(G)(2) shall terminate on the date the U.S. EPA approves the rule rescindment and new rule as a revision of the Ohio SIP.

c) Operational Restrictions

- (1) The permittee shall not employ any cleanup material in this emissions unit that contains HAPs. "HAPs" is defined in OAC rule 3745-31-01(WW).
- (2) The permittee shall not employ any cleanup material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall collect and record the following information for each day for this emissions unit:
- a. the company name and identification for each gelcoat employed;
- b. the amount of each gelcoat employed, in pounds;
- c. the amount of OC (i.e. monomer), in percent by weight, of each gelcoat employed;



- d. the OC emission rate* for each gelcoat employed [“(1)b” x (0.4506 x “(1)c)” - 0.0505], in pounds;
- e. the total OC emission rate for all the gelcoat employed, in pounds [summation of “(1)d” for all gelcoats).

* based on American Composites Manufacturers Association (ACMA) emissions factors (conservatively applied, for any monomer content for gelcoats)

- (2) The permittee shall (in conjunction with the information required in C.1) collect and record the following information each month for emissions units P001 and R001 combined:

- a. the total OC emission rate for all the resins /gelcoats employed, in pounds; and
- b. the rolling, 12-month combined HAPs emissions (from resin /gelcoat operations), in tons.

- (3) The permittee shall calculate and record the following information each month, for emissions units P001 and R001, combined:

- a. the company identification for each cleanup material employed;
- b. documentation on whether or not each cleanup material employed is a photochemically reactive material or contains HAPs;
- c. the quantity of each cleanup material employed, in gallons;
- d. the OC content of each cleanup material employed, in pounds/gallon;
- e. the OC emissions for each cleanup material employed [“(3)c” x “(3)d”], in pounds; and
- f. the total OC emissions for all the cleanup materials employed [summation of “(3)e” for all cleanup materials), in pounds, converted to tons.

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

OC emissions from cleanup operations = (total gallons of cleanup material used x solvent density of cleanup material) - (total gallons cleanup material sent off-site for disposal or reclamation [minus solids content of said material]) x solvent density.

e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports for this emissions unit identify the following:

- a. all exceedances of the 0.58 ton OC /month (from cleanup);
- b. all exceedances of the 9.9 tons OC (HAPs) per rolling, 12-month period; and
- c. all exceedances of the 40 lbs OC/day (from gelcoats).



If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted (postmarked) each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the director (the appropriate district office or local air agency).

- (2) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

- (1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following method(s):

- a. Emission Limitation:
5.8 lb OC /hr

Applicable Compliance Method:

The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established based on a maximum throughput of 33 lbs resin per hour, multiplied by a maximum styrene (OC monomer) content of 0.50 (50%), then employed in the emissions equation {33 lb gelcoat /hr [0.4506 (0.50 lb OC /lb gelcoat) - 0.0505]} (based on ACMA emission factor).

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation based on Methods 18, 25, 25a, as appropriate, of 40 CFR Part 60.

- b. Emission Limitation:
9.9 tons OC/HAPs/yr, from casting and gelcoat operations (for emissions units P001 and R001, combined)

Applicable Compliance Method:

The permittee shall demonstrate compliance with this emission limitation through the record keeping required in d)(2).

- c. Emission Limitation:
0.58 ton OC /month, 7.0 ton /yr, from cleanup operations (for emissions units P001 and R001, combined)

Applicable Compliance Method:

The permittee shall demonstrate compliance with the monthly emission limitation through the record keeping required in d)(3).



The annual allowable OC limitation was developed by multiplying the monthly limitation by a maximum operating schedule of 12 months, and then dividing by 2000. Therefore, if compliance is shown with the monthly limitation, compliance is shown with the annual limitation.

- d. Emission Limitation:
40 pounds OC/day

Applicable Compliance Method:

The permittee shall demonstrate compliance with this emission limitation through the record keeping required in d)(1).

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

g) Miscellaneous Requirements

- (1) The terms and conditions contained in this permit for this emissions unit shall supersede all the air pollution control requirements for the emissions unit contained in the permit to install 03-09641 issued on May 21, 1997.