John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

9/25/2013

Certified Mail

Yes	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
Yes	MODELING SUBMITTED
No	MAJOR GHG
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

Don Hock
Superior Fibers Shawnee LLC
P.O. Box 89
Bremen, OH 43107

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL
Facility ID: 0664000067
Permit Number: P0112342
Permit Type: OAC Chapter 3745-31 Modification
County: Perry

Dear Permit Holder:

Enclosed please find a final Ohio Environmental Protection Agency (EPA)Air Pollution Permit-to-Install (PTI) which will allow you to install or modify the described emissions unit(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, we urge you to read it carefully. Because this permit contains conditions and restrictions, please read it very carefully. In this letter you will find the information on the following topics:

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**

How to appeal this permit

The issuance of this PTI is a final action of the Director 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. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of $70.00, made payable to “Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General’s Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
77 South High Street, 17th Floor
Columbus, OH 43215

How to save money, reduce pollution and reduce energy consumption

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 Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

How to give us feedback on your permitting experience

Please complete a survey at www.epa.ohio.gov/survey.aspx and give us feedback on your permitting experience. We value your opinion.

How to get an electronic copy of your permit

This permit can be accessed electronically via the eBusiness Center: Air Services in Microsoft Word format or in Adobe PDF on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab.

If you have any questions, please contact Ohio EPA DAPC, Southeast District Office at (740)385-8501 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,

Michael W. Ahern

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

Cc: U.S. EPA
Ohio EPA-SEDO; West Virginia

FINAL

Division of Air Pollution Control
Permit-to-Install
for
Superior Fibers Shawnee LLC

Facility ID:	0664000067
Permit Number:	P0112342
Permit Type:	OAC Chapter 3745-31 Modification
Issued:	9/25/2013
Effective:	9/25/2013

Division of Air Pollution Control
Permit-to-Install
for
Superior Fibers Shawnee LLC

Table of Contents

Authorization 1

A. Standard Terms and Conditions 6

1. Federally Enforceable Standard Terms and Conditions 7
2. Severability Clause 7
3. General Requirements 7
4. Monitoring and Related Record Keeping and Reporting Requirements 8
5. Scheduled Maintenance/Malfunction Reporting 9
6. Compliance Requirements 9
7. Best Available Technology 10
8. Air Pollution Nuisance 10
9. Reporting Requirements 10
10. Applicability 11
11. Construction of New Sources(s) and Authorization to Install 11
12. Permit-To-Operate Application 12
13. Construction Compliance Certification 12
14. Public Disclosure 12
15. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations 13
16. Fees 13
17. Permit Transfers 13
18. Risk Management Plans 13
19. Title IV Provisions 13

B. Facility-Wide Terms and Conditions 14

C. Emissions Unit Terms and Conditions 16

1. Emissions Unit Group - 12-foot Forming Drums: P002, P003, P005, P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P023, P024, P025 and P026. Each has a maximum resin usage of 7.15 pounds per hour and all are enclosed in a building. This is a modification to the existing sources 17
2. Emissions Unit Group - 18-foot Forming Drums: P007, P027, P028, P029, P030, P031, P032, P033, P034, P035, P036, P037, P038, P039, P040, P041, P042, P043, P044, and P045. Each has a maximum resin usage of 7.15 pounds per hour and all are enclosed in a building. This is a modification to PTI #06-522, issued 5/29/80. 25

Authorization

Facility ID:	0664000067
Facility Description:	Glass Fiber Mats.
Application Number(s):	A0045654
Permit Number:	P0112342
Permit Description:	This PTI is to correctly reflect the applicable requirements for 42 existing forming drums at the site that have been previously modified.
Permit Type:	OAC Chapter 3745-31 Modification
Permit Fee:	$8,400.00
Issue Date:	9/25/2013
Effective Date:	9/25/2013

This document constitutes issuance to:

Superior Fibers Shawnee LLC
9702 Ironpoint Road
PO Box 89, Bremen Oh 43107
Shawnee, OH 43782

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

Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Southeast District Office
2195 Front Street
Logan, OH 43138
(740)385-8501

The above named entity is hereby granted a Permit-to-Install for the 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 emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Scott J. Nally
Director

Authorization (continued)

Permit Number: P0112342
Permit Description: This PTI is to correctly reflect the applicable requirements for 42 existing forming drums at the site that have been previously modified.

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

Group Name: 12-foot Forming Drums

Emissions Unit ID:	**P002**
Company Equipment ID:	Forming Unit UN-1
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P003**
Company Equipment ID:	Forming Unit UN-2
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P005**
Company Equipment ID:	Forming Drum UN-3
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P008**
Company Equipment ID:	Forming Drum UN-4
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P009**
Company Equipment ID:	Forming Drum UN-5
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P010**
Company Equipment ID:	Forming Drum UN-6
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P011**
Company Equipment ID:	Forming Drum UN-7
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P012**
Company Equipment ID:	Forming Drum UN-8
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P013**
Company Equipment ID:	Forming Drum UN-9
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P014**
Company Equipment ID:	Forming Drum UN-10
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P015**
Company Equipment ID:	Forming Drum UN-11

Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P016**
Company Equipment ID:	Forming Drum UN-12
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P017**
Company Equipment ID:	Forming Drum UN-13
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P018**
Company Equipment ID:	Forming Drum UN-14
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P019**
Company Equipment ID:	Forming Drum UN-15
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P020**
Company Equipment ID:	Forming Drum UN-17
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P021**
Company Equipment ID:	Forming Drum UN-18
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P022**
Company Equipment ID:	Forming Drum UN-19
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P023**
Company Equipment ID:	Forming Drum UN-20
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P024**
Company Equipment ID:	Forming Drum UN-21
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P025**
Company Equipment ID:	Forming Drum UN-22
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P026**
Company Equipment ID:	Forming Drum UN-24
Superseded Permit Number:	
General Permit Category andType:	Not Applicable

Group Name: 18-foot Forming Drums

Emissions Unit ID:	**P007**
Company Equipment ID:	Forming Unit UN-33
Superseded Permit Number:	06-522
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P027**
Company Equipment ID:	Forming Drum UN-34
Superseded Permit Number:	06-522

General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P028**
Company Equipment ID:	Forming Drum UN-35
Superseded Permit Number:	06-522
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P029**
Company Equipment ID:	Forming Drum UN-36
Superseded Permit Number:	06-522
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P030**
Company Equipment ID:	Forming Drum UN-37
Superseded Permit Number:	06-522
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P031**
Company Equipment ID:	Forming Drum UN-38
Superseded Permit Number:	06-522
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P032**
Company Equipment ID:	Forming Drum UN-39
Superseded Permit Number:	06-522
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P033**
Company Equipment ID:	Forming Drum UN-40
Superseded Permit Number:	06-522
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P034**
Company Equipment ID:	Forming Drum UN-41
Superseded Permit Number:	06-522
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P035**
Company Equipment ID:	Forming Drum UN-42
Superseded Permit Number:	06-522
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P036**
Company Equipment ID:	Forming Drum UN-43
Superseded Permit Number:	06-522
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P037**
Company Equipment ID:	Forming Drum UN-44
Superseded Permit Number:	06-522
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P038**
Company Equipment ID:	Forming Drum UN-45
Superseded Permit Number:	06-522
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P039**
Company Equipment ID:	Forming Drum UN-46
Superseded Permit Number:	06-522
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P040**
Company Equipment ID:	Forming Drum UN-47
Superseded Permit Number:	06-522
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P041**
Company Equipment ID:	Forming Drum UN-48
Superseded Permit Number:	06-522

General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P042**
Company Equipment ID:	Forming Drum UN-49
Superseded Permit Number:	06-522
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P043**
Company Equipment ID:	Forming Drum UN-50
Superseded Permit Number:	06-522
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P044**
Company Equipment ID:	Forming Drum UN-51
Superseded Permit Number:	06-522
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P045**
Company Equipment ID:	Forming Drum UN-52
Superseded Permit Number:	06-522
General Permit Category andType:	Not Applicable

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:

(1) Standard Term and Condition A.2.a), Severability Clause

(2) Standard Term and Condition A.3.c) through A. 3.e)General Requirements

(3) Standard Term and Condition A.6.c) and A. 6.d), Compliance Requirements

(4) Standard Term and Condition A.9., Reporting Requirements

(5) Standard Term and Condition A.10., Applicability

(6) Standard Term and Condition A.11.b) through A.11.e), Construction of New Source(s) and Authorization to Install

(7) Standard Term and Condition A.14., Public Disclosure

(8) Standard Term and Condition A.15., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

(9) Standard Term and Condition A.16., Fees

(10) Standard Term and Condition A.17., Permit Transfers

2. Severability Clause

a) 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.

b) All terms and conditions designated in parts B and C of this permit are federally enforceable as a practical matter, if they 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 and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. Terms and conditions in parts B and C of this permit shall not be federally enforceable and shall be enforceable under State law only, only if specifically identified in this permit as such.

3. 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 re-issuance, or modification.

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, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

d) This permit does not convey any property rights of any sort, or any exclusive privilege.

e) The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying 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.

4. 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:

(1) The date, place (as defined in the permit), and time of sampling or measurements.

(2) The date(s) analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of such analyses.

(6) The operating conditions existing at the time of sampling or measurement.

b) Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, 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.

c) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:

(1) Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the Ohio EPA DAPC, Southeast District Office.

(2) Quarterly written reports of (i) any deviations from federally enforceable emissionlimitations, operationalrestrictions, andcontroldeviceoperatingparameterlimitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the Ohio EPA DAPC, Southeast District Office. The written reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See A.15. below if no deviations occurred during the quarter.

(3) Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, andreportingrequirements contained in this permit shall be submitted (i.e., postmarked) to the Ohio EPA DAPC, Southeast District Office every six months, by January 31 and July 31 of each year for the previous six calendar months. 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.

(4) This permit is for an emissions unit located at a Title V facility. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

d) The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the Ohio EPA DAPC, Southeast District Office in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to 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 emission unit(s) that is (are) served by such control system(s).

6. Compliance Requirements

a) The emissions unit(s) identified in this Permit shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

b) Any document (including reports) required to be submitted and required by a federally applicable requirement in this 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.

c) 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:

(1) 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.

(2) 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 ORC section 3704.08.

(3) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

(4) 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.

d) The permittee shall submit progress reports to the Ohio EPA DAPC, Southeast District Office 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:

(1) Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

(2) 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.

7. Best Available Technology

As specified in OAC Rule 3745-31-05, new sources that must employ Best Available Technology (BAT) shall comply with the Applicable Emission Limitations/Control Measures identified as BAT for each subject emissions unit.

8. 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.

9. Reporting Requirements

The permittee shall submit required reports in the following manner:

a) Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the Ohio EPA DAPC, Southeast District Office.

b) Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have

been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the Ohio EPA DAPC, Southeast District Office. 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 (i.e., postmarked) quarterly, 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.)

10. Applicability

This Permit-to-Install is applicable only to the emissions unit(s) identified in the Permit-to-Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

11. Construction of New Sources(s) and Authorization to Install

a) This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

b) If applicable, authorization to install any new emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of installation or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

c) The permittee may notify Ohio EPA of any emissions unit that is permanently shut down (i.e., 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) by submitting a certification from the authorized official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the authorized official that the emissions unit was permanently shut down. At a minimum, notification of permanent shut down shall be made or confirmed by marking the affected emissions unit(s) as “permanently shut down” in Ohio EPA’s “Air Services” along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

d) The provisions of this permit shall cease to be enforceable for each affected emissions unit after the date on which an emissions unit is permanently shut down (i.e., 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). All records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law. All reports required by this permit must be submitted for any period an affected emissions unit operated prior to permanent shut down. At a minimum, the permit requirements must be evaluated as part of the reporting requirements identified in this permit covering the last period the emissions unit operated.

No emissions unit certified by the authorized official as being permanently shut down may resume operation without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

e) The permittee shall comply with any residual requirements related to this permit, such as the requirement to submit a deviation report, air fee emission report, or other any reporting required by this permit for the period the operating provisions of this permit were enforceable, or as required by regulation or law. All reports shall be submitted in a form and manner prescribed by the Director. All records relating to this permit must be maintained in accordance with law.

12. Permit-To-Operate Application

The permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77. The permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

13. Construction Compliance Certification

The applicant shall identify the following dates in the online facility profile for each new emissions unit identified in this permit.

a) Completion of initial installation date shall be enteredupon completion of construction and prior to start-up.

b) Commence operation after installation or latest modification date shall be entered within 90 days after commencing operation of the applicable emissions unit.

14. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

15. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

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., postmarked), by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

16. 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. The permittee shall pay all applicable permit-to-install fees within 30 days after the issuance of any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

17. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The new owner must update and submit the ownership information via the “Owner/Contact Change” functionality in Air Services once the transfer is legally completed.The change must be submitted through Air Services within thirty days of the ownership transfer date.

18. 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.

19. 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.

B. Facility-Wide Terms and Conditions

1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

   a) None.

C. Emissions Unit Terms and Conditions

1. Emissions Unit Group - 12-foot Forming Drums: P002, P003, P005, P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P023, P024, P025 and P026. Each has a maximum resin usage of 7.15 pounds per hour and all are enclosed in a building. This is a modification to the existing sources.

EU ID	Operations, Property and/or Equipment Description
P002	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.
P003	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.
P005	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.
P008	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.
P009	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.
P010	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.
P011	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.
P012	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.
P013	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.
P014	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.
P015	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.
P016	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.
P017	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.
P018	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.
P019	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.
P020	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.
P021	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.
P022	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.
P023	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.
P024	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.
P025	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.
P026	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 12-foot forming drum.

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

(1) d)(3), d)(4), d)(5) and d)(6)..

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. 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)	Organic compound (OC) emissions shall not exceed 2.79 pounds per hour and 12.23 tons per year.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		Particulate emissions (PE) shall not exceed 0.66 pound per hour and 2.9 tons per year. There shall be no visible PE from this emissions unit.
b.	OAC rule 3745-17-07(B) and 3745-17-08(B)	See b)(2)a. below.

(2) Additional Terms and Conditions

a. This facility is located in Perry County, which is not identified in Appendix A of OAC rule 3745-17-08. Therefore, the fugitive dust emissions from this emissions unit are exempt from the fugitive dust control requirements and visible emission limitation established in OAC rules 3745-17-08(B) and 3745-17-07(B), respectively.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall perform daily checks, when the emissions unit is in operation and, when the weather conditions allow, for any visible particulate emissions from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed from any points of capture and/or the stack, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;

b. the total duration of any visible emissions incident; and

c. any corrective actions taken to eliminate the visible emissions.

(2) The permittee shall collect and record the following information each day for each emissions unit:

a. the company name and identification number of each resin employed;

b. the number of gallons of each resin employed;

c. the OC content of each resin employed, in pounds per gallon, as applied;

d. the total potential (prior to applying the forming operations /oven “split”) daily OC emissions rate for all resins, in pounds;

i. For purposes of calculating the organic compound emission rates for these emissions units (P002, P003, P005, P007-P045) and the associated oven (P001), the permittee shall utilize a value of 94.1% as the maximum percentage of the organic compounds employed in this emissions unit that are emitted uncontrolled from the emissions unit. The remaining 5.9% of the organic compounds employed in this emissions unit shall be considered to be the uncontrolled emissions for the associated oven. This "split" of organic compound emissions between this emissions unit and the associated oven is based upon the material balance information provided by the company (January 2006 compliance stack test conducted on Curing Oven #2 at Vanceburg, KY).

e. the total number of hours the emissions unit was in operation; and

f. the average hourly OC emissions rate for all resins, i.e., the sum of d)(2)(e) divided by d)(2)(f), in pounds per hour (average).

g. the total number of gallons of all the coatings employed; and

h. the total OC emissions from all the coatings employed, in pounds, i.e., the sum of d)(1)b. times d)(1)c. for each coating employed.

(3) Thepermit-to-install (PTI) application for these emissions units was evaluated based on the actual materials and the design parameters of the emissions unit's exhaust system, as specified by the permittee. The "Ohio's Air Toxic Policy" was applied to this emissions unit for each toxic air contaminant listed in OAC rule 3745-114-01, using data from the permit application; and modeling was performed for each toxic air contaminant(s) emitted at over one ton per year using an air dispersion model such as SCREEN3, AERMOD, or ISCST3, or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the approved air dispersion model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as described in the Ohio EPA guidance document entitled "Review of New Sources of Air Toxic Emissions, Option A", as follows:

a. the exposure limit, expressed as a time-weighted average concentration for a conventional 8-hour workday and a 40-hour workweek, for each toxic compound(s) emitted from the emissions unit(s), (as determined from the raw materials processed and/or coatings or other materials applied) has been documented from one of the following sources and in the following order of preference (TLV was and shall be used, if the chemical is listed):

i. threshold limit value (TLV) from the American Conference of Governmental Industrial Hygienists (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; or

ii. STEL (short term exposure limit) or the ceiling value from the American Conference of Governmental Industrial Hygienists (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological

Exposure Indices"; the STEL or ceiling value is multiplied by 0.737 to convert the 15-minute exposure limit to an equivalent 8-hour TLV.

b. The TLV is divided by ten to adjust the standard from the working population to the general public (TLV/10).

c. This standard is/was then adjusted to account for the duration of the exposure or the operating hours of the emissions unit(s), i.e., "**X**" hours per day and "**Y**" days per week, from that of 8 hours per day and 5 days per week. The resulting calculation was (and shall be) used to determine the Maximum Acceptable Ground-Level Concentration (MAGLC):

TLV/10 x 8/**X**x 5/**Y** = 4 TLV/**XY** = MAGLC

d. The following summarizes the results of dispersion modeling for the significant toxic contaminants (emitted at 1 or more tons/year) or "worst case" toxic contaminant(s):

Toxic Contaminant: Styrene

TLV (mg/m3): 85.20

Maximum Hourly Emission Rate (lbs/hr): 1.67

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 271.3

MAGLC (ug/m3): 2,028.63

The permittee, has demonstrated that emissions of Styrene, from emissions unitsP002, P003, P005, P007-P045, is calculated to be less than eighty per cent of the maximum acceptable ground level concentration (MAGLC); any new raw material or processing agent shall not be applied without evaluating each component toxic air contaminant in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F).

(4) Prior to making any physical changes to or changes in the method of operation of the emissions unit(s), that could impact the parameters or values that were used in the predicted 1-hour maximum ground-level concentration, the permittee shall re-model the change(s) to demonstrate that the MAGLC has not been exceeded. Changes that can affect the parameters/values used in determining the 1-hour maximum ground-level concentration include, but are not limited to, the following:

a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a new toxic air contaminant with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any toxic air contaminant listed in OAC rule 3745-114-01, that was modeled from the initial (or last) application; and

c. physical changes to the emissions unit(s) or its/their exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Ohio's Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to a non-restrictive change to a parameter or process operation, where compliance with the "Ohio's Air Toxic Policy", has been documented. If the change(s) meet(s) the definition of a "modification", the permittee shall apply for and obtain a final PTIO prior to the change. The Director may consider any significant departure from the operations of the emissions unit, described in the permit application, as a modification that results in greater emissions than the emissions rate modeled to determine the ground level concentration; and he/she may require the permittee to submit a permit application for the increased emissions.

(5) The permittee shall collect, record, and retain the following information for each toxic evaluation conducted to determine compliance with the "Ohio's Air Toxic Policy":

a. a description of the parameters/values used in each compliance demonstration and the parameters or values changed for any re-evaluation of the toxic(s) modeled (the composition of materials, new toxic contaminants emitted, change in stack/exhaust parameters, etc.);

b. the Maximum Acceptable Ground-Level Concentration (MAGLC) for each significant toxic contaminant or worst-case contaminant, calculated in accordance with the "Ohio's Air Toxic Policy";

c. a copy of the computer model run(s), that established the predicted 1-hour maximum ground-level concentration that demonstrated the emissions unit(s) to be in compliance with the "Ohio's Air Toxic Policy", initially and for each change that requires re-evaluation of the toxic air contaminant emissions; and

d. the documentation of the initial evaluation of compliance with the "Ohio's Air Toxic Policy", and documentation of any determination that was conducted to re-evaluate compliance due to a change made to the emissions unit(s) or the materials applied.

(6) The permittee shall maintain a record of any change made to a parameter or value used in the dispersion model, used to demonstrate compliance with the "Ohio's Air Toxic Policy", through the predicted 1-hour maximum ground-level concentration. The record shall include the date and reason(s) for the change and if the change would increase the ground-level concentration.

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

(2) The permittee shall submit semiannual written reports that identify:

a. all days during which any visible emissions of fugitive dust were observed from this emissions unit; and

b. any corrective actions taken to eliminate the visible emissions.

These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(3) The permittee shall submit quarterly deviation (excursion) reports that identify the following:

a. an identification of each hour during which the organic compound emissions exceeded 2.79 pounds per hour, and the actual organic compound emissions for each such hour.

The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

(4) The permittee shall also submit annual reports that specify the total organic compound emissions from this emissions unit for the previous calendar year. The reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

(5) The permittee shall submit annual reports that include any changes to any parameter or value used in the dispersion model used to demonstrate compliance with the “Toxic Air Contaminate Statute”, ORC 3704.03(F), through the predicted 1 hour maximum concentration. The report should include:

a. the original model input;

b. the updated model input;

c. the reason for the change(s) to the input parameter(s); and

d. a summary of the results of the updated modeling, including the input changes; and

e. a statement that the model results indicate that the 1-hour maximum ground-level concentration is less than 80% of the MAGLC.

If no changes to the emissions, emissions unit(s), or the exhaust stack have been made during the reporting period, then the report shall include a statement to that effect.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation:

OC emissions shall not exceed 2.79 pounds per hour and 12.23 tons per year.

Applicable Compliance Method:

Compliance with the pounds per hour emissions limitation shall be demonstrated by the recordkeeping in d)(2).

The hourly OC limitation was established for PTI purposes to reflect the emissions unit's potential to emit using the following formula:

Emission factor: 830.299lbs OC/ton binder

(830.299 lbs OCs/ton of binder)(7.15 lbs/hr max binder feed rate)(94.1% split of OCs emitted from forming drums) / 2,000 lbs/ton = 2.79 lbs OC/hr

[Note that the 5.9% emissions split for the oven and 94.1% emissions split for the forming drums comes from the January 26, 2006 stack test at the Vanceburg, KY plant]

If required, organic compound emissions shall be determined according to test Methods 1 - 4, and 18, 25, or 25A as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

Compliance with the ton per year emissions limitation shall be demonstrated by the recordkeeping in d)(2).

b. Emissions Limitation:

PE shall not exceed 0.66 pound per hour and 2.9 tons per year.

Applicable Compliance Method:

Compliance with the pound per hour emission limitation shall be demonstrated based on the following calculations based on the information presented in the permittee's application:

The hourly PE limitation was established for PTI purposes to reflect the emissions unit's potential to emit using the following formula:

(66.14% of solids content/ton of binder)(2,000 lbs/ton)(1-0.86 transfer efficiency) = 185.192 lbs PE/ton of binder

Emission factor: 185.192 lbs PE/ton of binder

(185.192 lbs PE/ton of binder)(7.15 lbs/hr max binder feed rate) / 2,000 lbs/ton = 0.66 lb PE/hr

If required, particulate emissions shall be determined according to test Methods 1 - 5, as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

Compliance with the ton per year emission limitation shall be determined based on the following calculation:

PE (tpy) = 0.66 lb PE/hr X 8,760 hr/yr X 1 ton/2,000 lbs
= 2.9 tons per year

c. Emissions Limitation:

There shall be no visible PE from this emissions unit.

Applicable Compliance Method:

If required, visible particulate emissions shall be determined according to USEPA Method 22.

g) Miscellaneous Requirements

(1) None.

2. Emissions Unit Group - 18-foot Forming Drums: P007, P027, P028, P029, P030, P031, P032, P033, P034, P035, P036, P037, P038, P039, P040, P041, P042, P043, P044, and P045. Each has a maximum resin usage of 7.15 pounds per hour and all are enclosed in a building. This is a modification to PTI #06-522, issued 5/29/80.

EU ID	Operations, Property and/or Equipment Description
P007	Glass fiber forming furnace rated at 0.15 mmBtu/hrand 18-foot forming drum.
P027	Glass fiber forming furnace rated at 0.15 mmBtu/hr and 18-foot forming drum.
P028	Glass fiber forming furnace rated at 0.15 mmBtu/hr and 18-foot forming drum.
P029	Glass fiber forming furnace rated at 0.15 mmBtu/hr and 18-foot forming drum.
P030	Glass fiber forming furnace rated at 0.15 mmBtu/hr and 18-foot forming drum.
P031	Glass fiber forming furnace rated at 0.15 mmBtu/hr and 18-foot forming drum.
P032	Glass fiber forming furnace rated at 0.15 mmBtu/hr and 18-foot forming drum.
P033	Glass fiber forming furnace rated at 0.15 mmBtu/hr and 18-foot forming drum.
P034	Glass fiber forming furnace rated at 0.15 mmBtu/hr and 18-foot forming drum.
P035	Glass fiber forming furnace rated at 0.15 mmBtu/hr and 18-foot forming drum.
P036	Glass fiber forming furnace rated at 0.15 mmBtu/hr and 18-foot forming drum.
P037	Glass fiber forming furnace rated at 0.15 mmBtu/hr and 18-foot forming drum.
P038	Glass fiber forming furnace rated at 0.15 mmBtu/hr and 18-foot forming drum.
P039	Glass fiber forming furnace rated at 0.15 mmBtu/hr and 18-foot forming drum.
P040	Glass fiber forming furnace rated at 0.15 mmBtu/hr and 18-foot forming drum.
P041	Glass fiber forming furnace rated at 0.15 mmBtu/hr and 18-foot forming drum.
P042	Glass fiber forming furnace rated at 0.15 mmBtu/hr and 18-foot forming drum.
P043	Glass fiber forming furnace rated at 0.15 mmBtu/hr and 18-foot forming drum.
P044	Glass fiber forming furnace rated at 0.15 mmBtu/hr and 18-foot forming drum.
P045	Glass fiber forming furnace rated at 0.15 mmBtu/hr and 18-foot forming drum.

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

(1) d)(3), d)(4), d)(5) and d)(6).

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. 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)	Organic compound (OC) emissions shall not exceed 2.79 pounds per hour and 12.23 tons per year. Particulate emissions (PE) shall not exceed 0.66 pound per hour and 2.9

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		tonsper year. There shall be no visible PE from this emissions unit.
b.	OAC rule 3745-17-07(B) and 3745-17-08(B)	See b)(2)a. below.

(2) Additional Terms and Conditions

a. This facility is located in Perry County, which is not identified in Appendix A of OAC rule 3745-17-08. Therefore, the fugitive dust emissions from this emissions unit are exempt from the fugitive dust control requirements and visible emission limitation established in OAC rules 3745-17-08(B) and 3745-17-07(B), respectively.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall perform daily checks, when the emissions unit is in operation and, when the weather conditions allow, for any visible particulate emissions from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed from any points of capture and/or the stack, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;

b. the total duration of any visible emissions incident; and

c. any corrective actions taken to eliminate the visible emissions.

(2) The permittee shall collect and record the following information each day for each emissions unit:

a. the company name and identification number of each resin employed;

b. the number of gallons of each resin employed;

c. the OC content of each resin employed, in pounds per gallon, as applied;

d. the total potential (prior to applying the forming operations /oven “split”) daily OC emissions rate for all resins, in pounds;

i. For purposes of calculating the organic compound emission rates for these emissions units (P002, P003, P005, P007-P045) and the

associated oven (P001), the permittee shall utilize a value of 94.1% as the maximum percentage of the organic compounds employed in this emissions unit that are emitted uncontrolled from the emissions unit. The remaining 5.9% of the organic compounds employed in this emissions unit shall be considered to be the uncontrolled emissions for the associated oven. This "split" of organic compound emissions between this emissions unit and the associated oven is based upon the material balance information provided by the company (January 2006 compliance stack test conducted on Curing Oven #2 at Vanceburg, KY).

e. the total number of hours the emissions unit was in operation; and

f. the average hourly OC emissions rate for all resins, i.e., the sum of d)(2)(e) divided by d)(2)(f), in pounds per hour (average).

g. the total number of gallons of all the coatings employed; and

h. the total OC emissions from all the coatings employed, in pounds, i.e., the sum of d)(1)b. times d)(1)c. for each coating employed.

(3) Thepermit-to-install (PTI) application for these emissions units was evaluated based on the actual materials and the design parameters of the emissions unit's exhaust system, as specified by the permittee. The "Ohio's Air Toxic Policy" was applied to this emissions unit for each toxic air contaminant listed in OAC rule 3745-114-01, using data from the permit application; and modeling was performed for each toxic air contaminant(s) emitted at over one ton per year using an air dispersion model such as SCREEN3, AERMOD, or ISCST3, or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the approved air dispersion model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as described in the Ohio EPA guidance document entitled "Review of New Sources of Air Toxic Emissions, Option A", as follows:

a. the exposure limit, expressed as a time-weighted average concentration for a conventional 8-hour workday and a 40-hour workweek, for each toxic compound(s) emitted from the emissions unit(s), (as determined from the raw materials processed and/or coatings or other materials applied) has been documented from one of the following sources and in the following order of preference (TLV was and shall be used, if the chemical is listed):

i. threshold limit value (TLV) from the American Conference of Governmental Industrial Hygienists (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; or

ii. STEL (short term exposure limit) or the ceiling value from the American Conference of Governmental Industrial Hygienists (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; the STEL or ceiling value is multiplied by 0.737 to convert the 15-minute exposure limit to an equivalent 8-hour TLV.

b. The TLV is divided by ten to adjust the standard from the working population to the general public (TLV/10).

c. This standard is/was then adjusted to account for the duration of the exposure or the operating hours of the emissions unit(s), i.e., "**X**" hours per day and "**Y**" days per week, from that of 8 hours per day and 5 days per week. The resulting calculation was (and shall be) used to determine the Maximum Acceptable Ground-Level Concentration (MAGLC):

TLV/10 x 8/**X**x 5/**Y** = 4 TLV/**XY** = MAGLC

d. The following summarizes the results of dispersion modeling for the significant toxic contaminants (emitted at 1 or more tons/year) or "worst case" toxic contaminant(s):

Toxic Contaminant: Styrene

TLV (mg/m3): 85.20

Maximum Hourly Emission Rate (lbs/hr): 1.67

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 271.3

MAGLC (ug/m3): 2,028.63

The permittee, has demonstrated that emissions of Styrene, from emissions unitsP002, P003, P005, P007-P045, is calculated to be less than eighty per cent of the maximum acceptable ground level concentration (MAGLC); any new raw material or processing agent shall not be applied without evaluating each component toxic air contaminant in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F).

(4) Prior to making any physical changes to or changes in the method of operation of the emissions unit(s), that could impact the parameters or values that were used in the predicted 1-hour maximum ground-level concentration, the permittee shall re-model the change(s) to demonstrate that the MAGLC has not been exceeded. Changes that can affect the parameters/values used in determining the 1-hour maximum ground-level concentration include, but are not limited to, the following:

a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a new toxic air contaminant with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any toxic air contaminant listed in OAC rule 3745-114-01, that was modeled from the initial (or last) application; and

c. physical changes to the emissions unit(s) or its/their exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Ohio's Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to a non-restrictive change to a parameter or process operation, where compliance with the "Ohio's Air Toxic Policy", has been documented. If the change(s) meet(s) the definition of a "modification", the permittee shall apply for and obtain a final PTIO prior to the change. The Director may consider any significant departure from the operations of the emissions unit, described in the permit application, as a modification that results in greater emissions than the emissions rate modeled to determine the ground level concentration; and he/she may require the permittee to submit a permit application for the increased emissions.

(5) The permittee shall collect, record, and retain the following information for each toxic evaluation conducted to determine compliance with the "Ohio's Air Toxic Policy":

a. a description of the parameters/values used in each compliance demonstration and the parameters or values changed for any re-evaluation of the toxic(s) modeled (the composition of materials, new toxic contaminants emitted, change in stack/exhaust parameters, etc.);

b. the Maximum Acceptable Ground-Level Concentration (MAGLC) for each significant toxic contaminant or worst-case contaminant, calculated in accordance with the "Ohio's Air Toxic Policy";

c. a copy of the computer model run(s), that established the predicted 1-hour maximum ground-level concentration that demonstrated the emissions unit(s) to be in compliance with the "Ohio's Air Toxic Policy", initially and for each change that requires re-evaluation of the toxic air contaminant emissions; and

d. the documentation of the initial evaluation of compliance with the "Ohio's Air Toxic Policy", and documentation of any determination that was conducted to re-evaluate compliance due to a change made to the emissions unit(s) or the materials applied.

(6) The permittee shall maintain a record of any change made to a parameter or value used in the dispersion model, used to demonstrate compliance with the "Ohio's Air Toxic Policy", through the predicted 1-hour maximum ground-level concentration. The record shall include the date and reason(s) for the change and if the change would increase the ground-level concentration.

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

(2) The permittee shall submit semiannual written reports that identify:

a. all days during which any visible emissions of fugitive dust were observed from this emissions unit; and

b. any corrective actions taken to eliminate the visible emissions.

These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(3) The permittee shall submit quarterly deviation (excursion) reports that identify the following:

a. an identification of each hour during which the organic compound emissions exceeded 2.79 pounds per hour, and the actual organic compound emissions for each such hour.

The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

(4) The permittee shall also submit annual reports that specify the total organic compound emissions from this emissions unit for the previous calendar year. The reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

(5) The permittee shall submit annual reports that include any changes to any parameter or value used in the dispersion model used to demonstrate compliance with the "Toxic Air Contaminate Statute", ORC 3704.03(F), through the predicted 1 hour maximum concentration. The report should include:

a. the original model input;

b. the updated model input;

c. the reason for the change(s) to the input parameter(s); and

d. a summary of the results of the updated modeling, including the input changes; and

e. a statement that the model results indicate that the 1-hour maximum ground-level concentration is less than 80% of the MAGLC.

If no changes to the emissions, emissions unit(s), or the exhaust stack have been made during the reporting period, then the report shall include a statement to that effect.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation:

OC emissions shall not exceed 2.79 pounds per hour and 12.23 tons per year.

Applicable Compliance Method:

Compliance with the pounds per hour emissions limitation shall be demonstrated by the recordkeeping in d)(2).

The hourly OC limitation was established for PTI purposes to reflect the emissions unit's potential to emit using the following formula:

Emission factor: 830.299lbs OC/ton binder

(830.299 lbs OCs/ton of binder)(7.15 lbs/hr max binder feed rate)(94.1% split of OCs emitted from forming drums) / 2,000 lbs/ton = 2.79 lbs OC/hr

[Note that the 5.9% emissions split for the oven and 94.1% emissions split for the forming drums comes from the January 26, 2006 stack test at the Vanceburg, KY plant]

If required, organic compound emissions shall be determined according to test Methods 1 - 4, and 18, 25, or 25A as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

Compliance with the ton per year emissions limitation shall be demonstrated by the recordkeeping in d)(2).

b. Emissions Limitation:

PE shall not exceed 0.66 pound per hour and 2.9 tons per year.

Applicable Compliance Method:

Compliance with the pound per hour emission limitation shall be demonstrated based on the following calculations based on the information presented in the permittee's application:

The hourly PE limitation was established for PTI purposes to reflect the emissions unit's potential to emit using the following formula:

(66.14% of solids content/ton of binder)(2,000 lbs/ton)(1-0.86 transfer efficiency) = 185.192 lbs PE/ton of binder

Emission factor: 185.192 lbs PE/ton of binder

(185.192 lbs PE/ton of binder)(7.15 lbs/hr max binder feed rate) / 2,000 lbs/ton = 0.66 lb PE/hr

If required, particulate emissions shall be determined according to test Methods 1 - 5, as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

Compliance with the ton per year emission limitation shall be determined based on the following calculation:

PE (tpy) = 0.66 lb PE/hr X 8,760 hr/yr X 1 ton/2,000 lbs
= 2.9 tons per year

c. Emissions Limitation:

There shall be no visible PE from this emissions unit.

Applicable Compliance Method:

If required, visible particulate emissions shall be determined according to USEPA Method 22.

g) Miscellaneous Requirements

(1) None.