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

1/17/2013

Certified Mail

Mr. Sean Madden
Rochling Glastic Composites
4321 Glenridge Road
Cleveland, OH 44121

Facility ID: 1318544510
Permit Number: P0105160
County: Cuyahoga

RE: PRELIMINARY PROPOSED AIR POLLUTION TITLE V PERMIT
Permit Type: Renewal

Dear Permit Holder:

Enclosed is the Ohio Environmental Protection Agency (EPA)Preliminary Proposed Title V permit that was issued in draft form on 12/10/2012. The comment period for the Draft permit has ended. We are now ready to submit this permit to U.S. EPA for approval.

We are submitting this for your review and comment. If you do not agree with the Preliminary Proposed Title V permit as written, you now have the opportunity to raise your concerns. This permit can be accessed electronically 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. Comments will be accepted as a marked-up copy of the permit or in narrative format. Any comments must be sent to the following within 14 days of your receipt of this letter:

Andrew Hall
Permit Review/Development Section
Ohio EPA, DAPC
50 West Town Street, Suite 700
P.O. Box 1049
Columbus, Ohio 43216-1049

and

Cleveland Division of Air Quality
2nd Floor
75 Erieview Plaza
Cleveland, OH 44114

If you believe that it is necessary to have an informal conference with us, then, as part of your written comments, you should request a conference concerning the written comments.If comments are not submitted within 14 days of your receipt of this letter, we will forward the proposed permit to U.S. EPA for approval. All comments received will be carefully considered before proceeding with the proposed permit.

Sincerely,

Michael W. Ahern

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

Cc: Cleveland Division of Air Quality

Response to Comments

Facility ID:	1318544510
Facility Name:	Rochling Glastic Composites
Facility Description:	Plastic products NEC
Facility Address:	4321 Glenridge Road South Euclid, OH 44121-2891 Cuyahoga County
Permit:	P0105160, Title V Permit - Renewal
A public notice for the draft permit issuance was published in the Ohio EPA Weekly Review and appeared in the The Plain Dealer on 12/12/2012. The comment period ended on 01/11/2013.	
Hearing date (if held)	
Hearing Public Notice Date (if different from draft public notice)	

The following comments were received during the comment period specified. Ohio EPA reviewed and considered all comments received during the public comment period. By law, Ohio EPA has authority to consider specific issues related to protection of the environment and public health. Often, public concerns fall outside the scope of that authority. For example, concerns about zoning issues are addressed at the local level. Ohio EPA may respond to those concerns in this document by identifying another government agency with more direct authority over the issue.

In an effort to help you review this document, the questions are grouped by topic and organized in a consistent format. PDF copies of the original comments in the format submitted are available upon request.

1. Topic: None

a. Comment: None

b. Response: None

PRELIMINARY PROPOSED

Division of Air Pollution Control
Title V Permit
for
Rochling Glastic Composites

Facility ID:	1318544510
Permit Number:	P0105160
Permit Type:	Renewal
Issued:	1/17/2013
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance

Division of Air Pollution Control
Title V Permit
for
Rochling Glastic Composites

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Authorization

Facility ID:	1318544510
Facility Description:	Plastic products NEC
Application Number(s):	A0037465, A0045292
Permit Number:	P0105160
Permit Description:	Title V renewal permit for a reinforced plastics production facility. Emissions units include pultrusion lines, laminate presses, Morehouse mixers, and a wash station.
Permit Type:	Renewal
Issue Date:	1/17/2013
Effective Date:	To be entered upon final issuance
Expiration Date:	To be entered upon final issuance

Superseded Permit Number: P0095925

This document constitutes issuance of an OAC Chapter 3745-77 Title V permit to:

Rochling Glastic Composites
4321 Glenridge Road
South Euclid, OH 44121-2891

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

Cleveland Division of Air Quality
2nd Floor
75 Erieview Plaza
Cleveland, OH 44114
(216)664-2297

The above named entity is hereby granted a Title V permit pursuant to Chapter 3745-77 of the Ohio Administrative Code. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. You will be sent a notice approximately 18 months prior to the expiration date regarding the renewal of this permit. If you do not receive a notice, please contact the Cleveland Division of Air Quality. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-08(E) and in accordance with the terms of this permit beyond the expiration date, if a timely renewal application is submitted. A renewal application will be considered timely if it is submitted no earlier than 18 months (540 days) and no later than 6 months (180 days) prior to the expiration date.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Scott J. Nally
Director

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. 24., Reporting Requirements Related to Monitoring and Record Keeping Requirements of State-Only Enforceable Permit Terms and Conditions

(2) Standard Term and Condition A. 25., Records Retention Requirements for State-Only Enforceable Permit Terms and Conditions

(3) Standard Term and Condition A. 27., Scheduled Maintenance/Malfunction Reporting

(4) Standard Term and Condition A. 29., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

(Authority for term: ORC 3704.036(A))

2. 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 (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit), 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.

(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))

b) Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))

c) The permittee shall submit required reports in the following manner:

(1) All reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations caused by malfunctions shall be submitted in the following manner:

Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the OAC rule 3745-77-07(A)(3)(c) deviation reporting requirements for malfunctions, written reports that identify each malfunction that occurred during each calendar quarter (including each malfunction reported only verbally in accordance with OAC rule 3745-15-06) shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year in accordance with Standard Term and Condition A.2.c)(2) below; and each report shall cover the previous calendar quarter. An exceedance of the visible emission limitations specified in OAC rule 3745-17-07(A)(1) that is caused by a malfunction is not a violation and does not need to be reported as a deviation if the owner or operator of the affected air contaminant source or air pollution control equipment complies with the requirements of OAC rule 3745-17-07(A)(3)(c).

In accordance with OAC rule 3745-15-06, a malfunction reportable under OAC rule 3745-15-06(B) is a deviation of the federally enforceable permit requirements. Even though verbal notifications and written reports are required for malfunctions pursuant to OAC rule 3745-15-06, the written reports required pursuant to this term must be submitted quarterly to satisfy the prompt reporting provision of OAC rule 3745-77-07(A)(3)(c).

In identifying each deviation caused by a malfunction, the permittee shall specify the emission limitation(s) (or control requirement(s)) for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing on a quarterly basis.

Any scheduled maintenance, as referenced in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described above for malfunctions.

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

(2) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit or, in some cases, in section B. Facility-Wide Terms and Conditions of this Title V permit), all reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations of the emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:

Written reports of (a) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, (b) the probable cause of such deviations, and (c) any corrective actions or preventive

measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. Except as provided below, the written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

In identifying each deviation, the permittee shall specify the emission limitation(s), operational restriction(s), and/or control device operating parameter limitation(s) for which the deviation occurred, describe each deviation, and provide the estimated magnitude and duration of each deviation.

These written deviation reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations. Full compliance with OAC rule 3745-77-07(A)(3)(c) requires reporting of all other deviations of the federally enforceable requirements specified in the permit as required by such rule.

If an emissions unit has a deviation reporting requirement for a specific emission limitation, operational restriction, or control device operating parameter limitation that is not on a quarterly basis (e.g., within 30 days following the end of the calendar month, or within 30 or 45 days after the exceedance occurs), that deviation reporting requirement satisfies the reporting requirements specified in this Standard Term and Condition for that specific emission limitation, operational restriction, or control device parameter limitation. Following the provisions of that non-quarterly deviation reporting requirement will also satisfy (for the deviations so reported) the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations, and additional quarterly deviation reports for that specific emission limitation, operational restriction, or control device parameter limitation are not required pursuant to this Standard Term and Condition.

See A.29 below if no deviations occurred during the quarter.

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

(3) All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) for other deviations of the federally enforceable permit requirements which are not reported in accordance with Standard Term and Condition A.2)c)(2) above shall be submitted in the following manner:

Unless otherwise specified by rule, written reports that identify deviations of the following federally enforceable requirements contained in this permit; Standard Terms and Conditions: A.3, A.4, A.5, A.7.e), A.8, A.13, A.15, A.19, A.20, A.21, and A.23 of this Title V permit, as well as any deviations from the requirements in section C. Emissions Unit Terms and Conditions of this Title V permit, and any monitoring, record keeping, and reporting requirements, which are not reported in accordance with Standard Term and Condition A.2.c)(2) above shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency by January 31 and July 31 of each year; and each report shall cover the previous six calendar months. Unless otherwise specified by rule, all other deviations from federally enforceable requirements identified in this permit shall be submitted annually as part of the annual compliance certification, including deviations of federally enforceable requirements not specifically addressed by permit or rule for the

insignificant activities or emissions levels (IEU) identified in section B. Facility-Wide Terms and Conditions of this Title V permit. Annual reporting of deviations is deemed adequate to meet the deviation reporting requirements for IEUs unless otherwise specified by permit or rule.

In identifying each deviation, the permittee shall specify the federally enforceable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation.

These semi-annual and annual written reports shall satisfy the reporting requirements of OAC rule 3745-77-07(A)(3)(c) for any deviations from the federally enforceable requirements contained in this permit that are not reported in accordance with Standard Term and Condition A.2.c)(2) above.

If no such deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no such deviations occurred during that period.

(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii) and OAC rule 3745-77-07(A)(13)(b))

(4) Each written report shall be signed by a responsible official certifying that, "based on information and belief formed after reasonable inquiry, the statements and information in the report (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."

(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

(5) Reports of any required monitoring and/or record keeping information shall be submitted to Cleveland Division of Air Quality.

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

3. Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in Standard Term and Condition A.2.c)(1) above.

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

4. Risk Management Plans

If applicable, the permittee shall 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"); and, pursuant to 40 C.F.R. 68.215(a), the permittee shall submit either of the following:

a) a compliance plan for meeting the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. 68.10(a) and OAC 3745-104-05(A); or

b) as part of the compliance certification submitted under 40 C.F.R. 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 C.F.R. Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management plan.

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

5. Title IV Provisions

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

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

6. Severability Clause

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

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

7. General Requirements

a) The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.

b) It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.

c) This permit may be modified, reopened, revoked, or revoked and reissued, for cause, in accordance with Standard Term and Condition A.11 below. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

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

e) The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the

Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

f) Except as otherwise indicated below, this Title V permit, or permit modification, is effective for five years from the original effective date specified in the permit. In the event that this facility becomes eligible for non-title V permits, this permit shall cease to be enforceable when:

(1) the permittee submits an approved facility-wide potential to emit analysis supporting a claim that the facility no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on the permanent shutdown and removal of one or more emissions units identified in this permit; or

(2) the permittee no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on obtaining restrictions on the facility-wide potential(s) to emit that are federally enforceable or legally and practically enforceable ; or

(3) a combination of (1) and (2) above.

The permittee shall continue to comply with all applicable OAC Chapter 3745-31 requirements for all regulated air contaminant sources once this permit ceases to be enforceable. The permittee shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.

(Authority for term: OAC rule 3745-77-01(W), OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77(A)(7))

8. Fees

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

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

9. Marketable Permit Programs

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

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

10. Reasonably Anticipated Operating Scenarios

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

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

11. Reopening for Cause

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

a) Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.

b) This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.

c) The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.

d) The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

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

12. Federal and State Enforceability

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

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

13. Compliance Requirements

a) Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

b) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

(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 paragraph (E) of OAC rule 3745-77-03.

(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.

c) The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

(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.

d) Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA in the following manner and with the following content:

(1) Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted (i.e., postmarked) on or before April 30th of each year during the permit term.

(2) Compliance certifications shall include the following:

a. An identification of each term or condition of this permit that is the basis of the certification.

b. The permittee's current compliance status.

c. Whether compliance was continuous or intermittent.

d. The method(s) used for determining the compliance status of the source currently and over the required reporting period.

e. Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.

(3) Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

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

14. Permit Shield

a) Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.

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

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

15. Operational Flexibility

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

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

16. Emergencies

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

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

17. Off-Permit Changes

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

a) The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition.

b) The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA, except that no such notice shall be required for changes that qualify as insignificant emissions levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change.

c) The change shall not qualify for the permit shield under OAC rule 3745-77-07(F).

d) The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

e) The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

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

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

18. Compliance Method Requirements

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

(This term is provided for informational purposes only.)

19. Insignificant Activities or Emissions Levels

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

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

20. Permit to Install Requirement

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

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

21. Air Pollution Nuisance

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

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

22. Permanent Shutdown of an Emissions Unit

The permittee may notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification from the responsible 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 responsible official that the emissions unit was permanently shut down.

After the date on which an emissions unit is permanently shut down (i.e., that 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 and therefore ceases to meet the definition of an "emissions unit" as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any Title V permit requirements applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

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

(Authority for term: OAC rule 3745-77-01)

23. Title VI Provisions

If applicable, the permittee shall comply with the standards for recycling and reducing emissions of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.

b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment specified in 40 CFR 82.158.

c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

(Authority for term: OAC rule 3745-77-01(H)(11))

24. Reporting Requirements Related to Monitoring and Record Keeping RequirementsUnder State Law Only

The permittee shall submit required reports in the following manner:

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

b) Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (i) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (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.)

25. Records Retention RequirementsUnder State Law Only

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.

26. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of

a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

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

27. Scheduled Maintenance/Malfunction Reporting

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

28. Permit Transfers

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

(Authority for term: OAC rule 3745-77-01(C))

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

If no emission limitation (or control requirement), operational restriction and/or control device parameter limitation 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) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

The permittee is not required to submit a quarterly report which states that no deviations occurred during that quarter for the following situations:

a) where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in Standard Term and Condition A.2.c)(2); or

b) where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potentials to emit; or

c) where the company's responsible official has certified that an emissions unit has been permanently shut down.

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.

2. Applicable Emissions Limitations and/or Control Requirements

   a) Emissions from this facility 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
(1)	40 CFR Part 63, Subpart WWWW (40 CFR 63.5780 - 5935)	Organic hazardous air pollutants (Organic HAPs) shall not exceed emissions standards as specified in 40 CFR 63.5805, Subpart WWWW. See 2.b)(1). below.
(2)	40 CFR Part 63, Subpart WWWW (40 CFR 63.5780 - 5935)	Work practice standards must be followed in accordance with the applicable portions of 40 CFR 63.5805 and Table 4.
(3)	40 CFR Part 63.1 through 63.15, Subpart A.	The General Provisions that apply are specified in Table 15 of 40 CFR Part 63, Subpart WWWW.

   b) Additional Terms and Conditions

      (1) This facility is subject to the requirements of 40 CFR Part 63 Subpart WWWW – National Emission Standards for Hazardous Air Pollutants for Specific Open Molding, Centrifugal Casting, Pultrusion, and Continuous Lamination/Casting Operations. The permittee shall comply with the applicable emission limitations and operational restrictions specified in 40 CFR Part 63.5780 to 63.5935. The complete MACT requirements, including the MACT General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http:www.ecfr.gpoaccess.gov or by contacting the Cleveland Division of Air Quality (Cleveland DAQ).

   c) Operational Restrictions

      (1) The permittee shall comply with the applicable operational restrictions and requirements under 40 CFR, Part 63, Subpart WWWW, including the following sections:

63.5805	Table 4 – work practice standards

[Authority for term: OAC rule 3745-77-07(A)(1) and 40 CFR, Part 63, Subpart WWWW and PTI P0110227]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall comply with the applicable monitoring and recordkeeping requirements under 40 CFR, Part 63, Subpart WWWW, including the following sections:

63.5895(c) – (d)	Records of resin use, organic HAP content, operation and application methods.
63.5915(a)	Copy of compliance notification(s) and report(s)
63.5915(c)	Records of all calculations and data used to determine organic HAP emission factors; or Average organic HAP content for operations listed in tables 3, 5, and 7 of the subpart.
63.5915(d)	Certified statement of compliance with work practice requirements.
63.5920(a) – (d)	Recordkeeping format and retention requirements.

[Authority for term: OAC rule 3745-77-07(A)(1) and 40 CFR Part 63 Subpart WWWW and PTI P0110227]

e) Reporting Requirements

(1) The permittee shall comply with the applicable reporting requirements under 40 CFR, Part 63, Subpart WWWW, including the following sections:

63.5905(b)	15-day notification of changes.
63.5910(a) – (b) and Table 14	Semi-annual compliance reports.
63.5910(c) – (i) and Table 14	Content of semi-annual compliance reports.

[Authority for term: OAC rule 3745-77-07(A)(1) and 40 CFR Part 63 Subpart WWWW and PTI P0110227]

f) Testing Requirements

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

a. The permittee shall comply with the applicable compliance requirements under 40 CFR, Part 63, Subpart WWWW, including the following sections:

63.5900	Demonstration of continuous compliance

[Authority for term: OAC rule 3745-77-07(A)(1) and 40 CFR Part 63 Subpart WWWW and PTI P0110227]

C. Emissions Unit Terms and Conditions

1. L002, Parts washer - Cold Room

Operations, Property and/or Equipment Description:

Fully enclosed, automated parts washer that utilizes a monomer mixture to wash tubes, parts and filters.

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) None.

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) (PTI P0110227, issued 11/7/2012)	Volatile organic compound (VOC) emissions shall not exceed 47.90 lbs/day (stack emissions). VOC emissions shall not exceed 8.74 tons/year (stack emissions). The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(O)(2) and 40 CFR Part 63 Subpart WWWW. See b)(2)a. through b)(2)c. below.
b.	OAC rule 3745-21-09(O)(2)	See b)(2)c. and c)(1) below.
d.	40 CFR Part 63, Subpart WWWW (40 CFR Part 63.5780-5935)	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart WWWW (National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production) as specified in Section B.

(2) Additional Terms and Conditions

a. The parts washer is not built as conventional cold cleaning equipment, therefore, some requirements in the OAC rule 3745-21-09(O)(2) are not applicable to this emissions unit.

b. This emissions unit does not employ halogenated solvents. Therefore, this emissions unit is not subject to the applicable provisions of 40 CFR Part 63, Subpart T.

c. The cold cleaner shall be equipped with a device for draining the cleaned parts; and if the solvent has a vapor pressure greater than 0.6 pound per square inch absolute (psia), measured at 100 degrees Fahrenheit, the drainage facility shall be constructed internally so that parts are enclosed under the cover during drainage, unless an internal type drainage device cannot fit into the cleaning system.

c) Operational Restrictions

(1) The cold cleaner shall be operated and maintained in accordance with the following practices to minimize solvent evaporation from the unit:

a. provide a permanent, legible, conspicuous label, summarizing the operating requirements;

b. store waste solvent in covered containers;

c. close the cover whenever parts are not being handled in the cleaner;

d. drain the cleaned parts until the dripping ceases; and

e. clean only materials that are neither porous nor absorbent.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI P0110227]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain and record the following information for each day when this emissions unit is in operation:

a. the total number of washes performed/day; and

b. the VOC emissions, in lbs, as calculated using the following equation:

VOC emissions = (1.10 lbs of VOC emissions/wash*) x (d)(1)a., the total number of washes/day)

* The emission factor of 1.1, lbs of VOC emissions/wash was developed by the permittee. Should a more accurate emission factor be developed in the future, the permittee shall use it, provided the emission factor is mutually agreeable between the Ohio EPA, through the Cleveland DAQ and Glastic Corporation South Euclid Facility.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(2) The permittee shall maintain the following records in written or electronic form.

a. the types of solvents employed in the cold cleaner; and

b. the vapor pressure of each solvent, in pounds per square in absolute (psia), measured at 100 degrees Fahrenheit.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that include an identification of the following:

a. all exceedances of the daily VOC emission limitation, and a record of what the actual VOC emissions were for each such day; and

b. all exceedances of the allowable vapor pressure for the solvent.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall submit annual reports to the Cleveland Division of Air Quality that specify the total VOC emissions from this 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 Reports.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

f) Testing Requirements

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

a. <u>Emission Limitation</u>:

47.90 lbs of VOC emissions/day (stack emissions)

<u>Applicable Compliance Method</u>:

The VOC emission limitation was established by the use of emission factors developed by the permittee and by the calculation method outlined in d)(1).

Compliance with the daily VOC emission shall be determined by the record keeping requirements specified in d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

b. Emission Limitation:

8.74 tons of VOC emissions/year (stack emissions)

Applicable Compliance Method:

The annual VOC emission limitation was established by multiplying the daily VOC emission limitation (47.9 lbs of VOC emissions/day) by 365 days/year, and dividing by 2,000 lbs/ton. Therefore compliance with the annual VOC emission limitation is ensured while compliance is maintained with the daily VOC emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

g) Miscellaneous Requirements

(1) None.

2. P014, Morehouse Mixer

Operations, Property and/or Equipment Description:

Morehouse mixer contains two mix kettles with 78 cubic feet of volume that provide resin mixes for use in laminates. Emissions unit controlled by central dust collector.

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) None.

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) (PTI P0110227 issued 11/7/2012)	Organic Compound (OC) emissions shall not exceed 1.67 lbs/hr, including cleanup material (stack emissions). OC emissions shall not exceed 39.99 lbs/day, including OC emissions from the use of cleanup material (stack emissions). OC emissions shall not exceed 7.3 tons/year, including OC emissions from the use of cleanup material (stack emissions). Particulate emissions (PE) shall not exceed 0.071 lb/hr (stack emissions). PE shall not exceed 0.01 grain/dscf (stack emissions). PE shall not exceed 0.31 TPY from the dust collector stack. There shall be no visible PE from the dust collector stack. The requirements of this rule also include compliance with the requirements of 40 CFR Part 63, Subpart WWWW.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
b.	OAC rule 3745-17-07(A)(1)	The visible PE limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3)
d.	OAC rule 3745-21-25	The requirements of this rule are equivalent to the MACT requirements in 40 CFR Part 63, Subpart WWWW.
e.	40 CFR Part 63, Subpart WWWW (40 CFR Part 63.5780 – 5935)	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart WWWW (National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production) as specified in Section B.

(2) Additional Terms and Conditions

a. The particulate emissions from this unit shall be vented to the central dust collector that controls the particulate emissions from all of the emissions units at this facility.

b. The emission of organic material from the resin consists of styrene and methyl methacrylate which as photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5). All of the OC emissions from this emissions unit count toward the hourly limit including the OC emissions from any non-photochemically reactive materials used in the mix operations.

c. The OC emission factors used to calculate the OC emissions were established by the permittee. Should more accurate emission factors be developed in the future, the permittee shall use them, provided the emission factors are mutually agreeable between the Ohio EPA, through the Cleveland DAQ, and Glastic Corporation South Euclid Facility.

d. In accordance with paragraph (A)(3) of OAC rule 3745-21-25, upon achieving compliance with this rule, the reinforced plastic composite production operations at this facility are not required to meet the February 18, 2008 revision of OAC rule 3745-21-07.

c) Operational Restrictions

(1) The permittee shall operate the dust collector whenever dry filler is being added to this emissions unit. The permittee shall maintain the dust collector filter in accordance with the manufacturer's recommendations, instructions, and/or operating manuals, with any modifications deemed necessary by the permittee.

In the event that the dust collector is not operating in accordance with the manufacturer's recommendations, instructions, or operating manuals, with any modifications deemed necessary by the permittee, the control device shall be expeditiously repaired and returned to these documented operating conditions.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI P0110227]

(2) The permittee shall keep containers that store HAP containing resin materials and cleanup materials closed or covered, except during the addition or removal of materials. Bulk HAP-containing material storage tanks may be vented as necessary for safety.

[Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR Part 63 Subpart WWWW, Table 4, and PTI P0110227]

(3) The permittee shall use a closed feed system to charge non-liquid material and shall use covers over the mixing kettles.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI P0110227]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain and record the following information for each day when this emissions unit is in operation:

a. the company identification for each liquid resin mix manufactured, and each photochemically reactive cleanup material employed;

b. the OC concentration of each liquid resin mix manufactured, in lbs/cu ft;

c. the OC concentration of each cleaning monomer employed, in lbs/cubic ft;

d. the number of cleaning cycles conducted;

e. the total number of batches of liquid resin mix manufactured;

f. the total hours of operation;

g. the total OC emissions for all resin batches, in lbs [(e) x (b) x (mixer volume, 78 cubic ft/batch) x (2 volume changes)];

h. the total OC emissions from all cleanup materials employed, in lbs [(c) x (d) x (mixer volume, 78 cubic ft/batch) x (2 volume changes)];

i. the total OC emissions from all resin batches and cleanup materials, in lbs [(g) + (h)]; and

j. the average hourly OC emission rate, in lbs/hr (i/f).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(2) The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible PE from the dust collector stack. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

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

If the weekly checks show visible emissions that are representative of normal operations for 12 consecutive operating weeks, the required frequency of visible emissions checks may be reduced to monthly. If a subsequent check indicates abnormal visible emissions, the frequency of emissions checks shall revert to weekly until such time there are 12 consecutive operating weeks of normal visible emissions.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall maintain daily records that document any time period when the dust collector was not in service when this emissions unit was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the hourly OC emission limitations, and what the calculated hourly OC emissions were for each exceedance.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall submit annual reports to the Cleveland Division of Air Quality that specify the total OC emissions from this emission 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 Reports.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(4) The permittee shall notify Cleveland DAQ in writing of any daily record showing that the dust collector was not in operation when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent within 30 days after the event occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and P0110227]

(5) The permittee shall submit semi-annual written reports that (a) identify all days during which any visible PE was observed from the dust collector stack and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Cleveland DAQ by January 31 and July 31 of each year and shall cover the previous 6-month period.

[Authority for term: OAC rule 3745-77-07(C)(1) and P0110227]

(6) 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.

[Authority for term: OAC rule 3745-77-07(C)(1) and P0110227]

f) Testing Requirements

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

a. <u>Emission Limitation</u>:

1.67 lbs/hr of OC emissions, including cleanup material (stack emissions).

<u>Applicable Compliance Method</u>:

The OC emission limitation was established by the use of emission factors developed by the permittee and the calculation method outlined in d)(1).

Compliance with the OC emission limitation shall be determined by the record keeping requirements specified in d)(1).

The permittee shall demonstrate compliance with the OC emission limitation based upon the results of emission testing conducted in accordance with Methods 1-4, 18, and 25 of 40 CFR Part 60, Appendix A.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

b. Emission Limitation:

39.99 lbs of OC emisisons/day, including OC emissions from the use of cleanup material (stack emissions).

Applicable Compliance Method:

Compliance with the daily OC emission limitation shall be determined by the recordkeeping requirements specified in d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

c. Emission Limitation:

7.30 tons of OC emissions/yr, including cleanup material (stack emissions).

Applicable Compliance Method:

The annual OC emission limitation was established by multiplying the daily OC emission limitation from the pultrusion line by 365 days/year and dividing by 2,000 lbs/ton. Therefore, compliance with the annual OC emission limitation is ensured while compliance is maintained with the daily OC emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

d. Emission Limitation:

There shall be no visible PE from the dust collector stack serving this emissions unit.

Applicable Compliance Method:

If required, compliance shall be determined through visible PE observations preformed in accordance with 40 CFR Part 60, Appendix A, Method 22 and the procedures specified in OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rule 3745-77-07(C)(1)and PTI P0110227]

e. Emission Limitation:

0.071 lb of PE/hr; 0.01 grain/dscf

Applicable Compliance Method:

The hourly emission limitation was established by the following methodology:

HER = (DCFR) x (DCEF) x (TI) x (CONV) = PE/hr

where:

HER = hourly emission rate lb of PE/hr);

DCFR = dust collector flow rate (dscfm);

DCEF = dust collector efficiency (grain/dscf);

TI = time (60 minutes/hr); and

CONV = conversion factor 1 lb/7,000 grains).

If required, the permittee shall demonstrate compliance with the PE limitations based upon the results of the emission testing conducted in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

f. Emission Limitation:

0.31 ton of PE/yr

Applicable Compliance Method:

The annual PE limitation was established by multiplying the hourly PE limitation by the maximum operating schedule of 8,760-hours/year, and dividing by 2,000 lbs/ton. Therefore, compliance with the annual PE limitation is ensured while compliance with the hourly PE limitation is maintained.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

a) Miscellaneous Requirements

(1) Potential to emit calculations:

particulate emissions:

controlled outlet emission rate from the dust collector:

(22,703 dscf/min) x (0.005 gr/dscf) x (60 min/hr) x (1 lb/7,000 gr) = 0.97 lb PE/hr; and

(0.97 lb PE/hr) x (8,760 hrs/yr) x (1 ton/2,000 lbs) = 4.25 TPY of PE (total for emissions units P014, P023, P036, P027, P028, P029, P030, P032, P033, P035, P036, P037, P038, P039, P040, P065, P073, and P074. that are vented to the central dust collector).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

3. P038, Pultrusion Line 41

Operations, Property and/or Equipment Description:

Pultrusion press with a bath section, heated die and curing section, and a cut-off saw. Emissions unit controlled by a central dust collector.

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) None.

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) PTI P0110227 issued on 11/7/2012	Fugitive organic compound (OC) emissions shall not exceed 3.7 lbs/hr from the pultrusion line. Fugitive OC emissions shall not exceed 40 lbs/day from the pultrusion line. Fugitive OC emissions shall not exceed 7.3 tons/yr from the pultrusion line. Fugitive OC emissions shall not exceed 2.56 tons/yr from all cleanup material employed in P023, P026, P027, P028, P029, P030, P032, P033, P034, P035, P036, P037, P038, P039, P040, P065, P073, and P074 combined. Particulate emissions (PE) shall not exceed 0.354 lb/hr from emissions units P023, P037, P038, P039, and P040 combined (stack emissions). PE shall not exceed 1.550 tons/yr from emissions units P023, P037, P038, P039, and P040 combined (stack emissions).

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		Visible PE shall not exceed 5% opacity, as a 6-minute average, from the dust collector stack. The requirements of this rule also include compliance with the requirements of 40 CFR Part 63, Subpart WWWW.
b.	OAC rule 3745-17-07(A)(1)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
d.	OAC rule 3745-21-25	The requirements of this rule are equivalent to the MACT requirements in 40 CFR Part 63, Subpart WWWW.
e.	40 CFR Part 63, Subpart WWWW (40 CFR Part 63.5780 – 5935)	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart WWWW (National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production) as specified in Section B.

(2) Additional Terms and Conditions

a. The particulate emissions from this unit shall be vented to the central dust collector that controls the particulate emissions from all of the emissions units at this facility.

b. The emission of organic material from the resin consists of styrene, a photochemically reactive material and hazardous air pollutant (HAP).

c. The OC emission factors used to calculate the OC emissions were established by the permittee. Should more accurate emission factors be developed in the future, the permittee shall use them, provided the emission factors are mutually agreeable between the Ohio EPA, through the Cleveland DAQ, and Glastic Corporation South Euclid Facility.

d. In accordance with paragraph (A)(3) of OAC rule 3745-21-25, upon achieving compliance with this rule, the reinforced plastic composite production operations at this facility are not required to meet the February 18, 2008 revision of OAC rule 3745-21-07.

c) Operational Restrictions

(1) The permittee shall operate the dust collector whenever this emissions unit is in operation. The permittee shall maintain the dust collector filter in accordance with the manufacturer's recommendations, instructions, and/or operating manuals, with any modifications deemed necessary by the permittee.

In the event that the dust collector is not operating in accordance with the manufacturer's recommendations, instructions, or operating manuals, with any modifications deemed necessary by the permittee, the control device shall be expeditiously repaired and returned to these documented operating conditions.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI P0110227]

(2) The permittee shall keep containers that store HAP containing resin materials and cleanup materials closed or covered, except during the addition or removal of materials. Bulk HAP-containing material storage tanks may be vented as necessary for safety.

[Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR Part 63 Subpart WWWW Table 4 and PTI P0110227].

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain and record the following information for each day when this emissions unit is in operation:

a. the name and type of each pultrusion part;

b. the emission factor for each type of pultrusion part, in lbs of OC emissions/square foot of wet area/hr;

c. the wet area for each type of pultrusion part, in square feet;

d. the OC emissions for each type of pultrusion part, in lbs [(b) x (c)];

e. the total OC emissions from all pultrusion parts, in lbs [summation of (d) for all pultrusion parts made];

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

g. the average hourly OC emission rate in lbs/hr (e/f).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(2) The permittee shall maintain monthly records of the following information for emissions units P023, P026, P027, P028, P029, P030, P032, P033, P034, P035, P036, P037, P038, P039, P040, P065, P073, and P074 combined:

a. the volume of each cleanup material dispensed, in gallons;

b. the volume of each cleanup material returned, in gallons;

c. the volume of each evaporated cleanup material, in gallons. This shall be calculated by subtracting the volume of each returned cleanup material from the volume of each dispensed cleanup material [(a) - (b)];

d. the OC content of each cleanup material employed, in lbs/gallon; and

e. the OC emissions from all cleanup materials employed, in lbs [the summation of (c) x (d) for all cleanup material employed).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall maintain annual records of the total OC emissions from all cleanup material employed for the calendar year, in tons [summation of d)(2)e. for all months of the calendar year and divided by 2,000 lbs/ton].

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(4) The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible PE from the dust collector stack. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

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

If the weekly checks show visible emissions that are representative of normal operations for 12 consecutive operating weeks, the required frequency of visible emissions checks may be reduced to monthly. If a subsequent check indicates abnormal visible emissions, the frequency of emissions checks shall revert to weekly until such time there are 12 consecutive operating weeks of normal visible emissions.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(5) The permittee shall maintain daily records that document any time period when the dust collector was not in service when this emissions unit was in operation.

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the hourly and/or daily OC emission limitations for this emissions unit were exceeded, and what the hourly and daily OC emissions were for each such day.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall submit semiannual written reports that (a) identify all days during which any visible PE were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Cleveland DAQ by January 31 and July 31 of each year and shall cover the previous 6-month period.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(4) The permittee shall submit annual reports to the Cleveland Division of Air Quality that specify the total OC emissions (i.e., from all the pultrusion parts made by this emissions unit and from cleanup material employed from all pultrusion lines) for the previous calendar year, in tons. 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 Reports.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(5) The permittee shall notify Cleveland DAQ in writing of any daily record showing that the dust collector was not in operation when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent within 30 days after the event occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(6) 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.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

f) Testing Requirements

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

a. Emissions Limitation:

3.7 lbs of OC emissions/hr, from the pultrusion line (fugitive emissions).

Applicable Compliance Method:

The OC emission limitation was established by the use of emission factors developed by the permittee through laboratory bench scale testing and by the calculation method outlined in d)(1).

Compliance with the OC emission limitation shall be determined by the record keeping requirements specified in d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

b. Emissions Limitation:

40 lbs of OC emissions/day, from the pultrusion line (fugitive emissions).

Applicable Compliance Method:

Compliance with the daily OC emission limitation shall be determined by the record keeping requirements specified by in d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

c. Emissions Limitation:

7.3 tons of OC emissions/yr, from the pultrusion line (fugitive emissions).

Applicable Compliance Method:

The annual OC emission limitation was established by multiplying the daily OC emission limitation from the pultrusion line by 365 days/year, and dividing by 2,000 lbs/ton. Therefore provided compliance is maintained with the daily OC emission limitation, compliance with the annual OC emission shall also be demonstrated.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

d. Emission Limitation:

2.56 tons of OC emissions/yr, from all cleanup material employed for emissions units P023, P026, P027, P028, P029, P030, P032, P033, P034, P035, P036, P037, P038, P039, P040, P065, P073, and P074 combined (fugitive emissions).

Applicable Compliance Method:

Compliance with the annual OC emission limitation shall be determined by the record keeping requirements specified in d)(2) and d)(3).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

e. Emission Limitation:

Visible PE shall not exceed 5% opacity, as a 6-minute average, from the dust collector stack.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

f. Emission Limitation:

0.354 lb of PE/hr, from emissions units P023, P037, P038, P039, and P040 combined (stack emissions).

Applicable Compliance Method:

The hourly PE limitation was established by the following methodology:

HER = (DCFR) x (DCEF) x (TI) x (CONV) = lb PE/hr

where:

HER = hourly emission rate (lb of PE/hr);

DCFR = dust collector flow rate (dscfm);

DCEF = dust collector efficiency (grain/dscf);

TI = time (60 minutes/hr); and

CONV = conversion factor 1 lb/7,000 grains).

If required, the permittee shall demonstrate compliance with the hourly PE limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5, as appropriate.

[Authority for term: OAC rule 3745-77-07(C)(1) and P0110227]

g. Emission Limitation:

1.550 tons of PE/yr, from emissions units P023, P037, P038, P039, and P040 combined (stack emissions).

Applicable Compliance Methods:

The annual PE limitation was established by multiplying the hourly PE limitation by the maximum operating schedule of 8,760 hrs/year, and dividing by 2,000 lbs/ton. Therefore, compliance with the annual PE limitation is ensured while compliance with the hourly PE limitation is maintained.

[Authority for term: OAC rule 3745-77-07(C)(1) and P0110227]

g) Miscellaneous Requirements

(1) Potential to emit calculations:

particulate emissions:

controlled outlet emission rate from the dust collector:

(22,703 dscf/min) x (0.005 gr/dscf) x (60 min/hr) x (1 lb/7,000 gr) = 0.97 lb PE/hr; and

(0.97 lb PE/hr) x (8,760 hrs/yr) x (1 ton/2,000 lbs) = 4.25 TPY of PE (total for emissions units P014, P023, P026, P027, P028, P029, P030, P032, P033, P035, P036, P037, P038, P039, P040, P065, P073, and P074 that are vented to the central dust collector)

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

4. P051, Laminate Press 16

Operations, Property and/or Equipment Description:

Laminate press with manual resin spreader.

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) None.

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) (PTI P0110227, issued 11/7/2012)	Fugitive organic compound (OC) emissions shall not exceed 1.50 lbs/hr, from the laminate press. Fugitive OC emissions shall not exceed 6.57 tons/yr, from the laminate press. Fugitive OC emissions shall not exceed 0.324 ton/yr, from all cleanup material employed for emission units P042, P047, P049, P050, P051, P053, P059, and P060 combined. The requirements of this rule also include compliance with the requirements of 40 CFR Part 63, Subpart WWWW.
b.	OAC rule 3745-21-25	The requirements of this rule are equivalent to the MACT requirements in 40 CFR Part 63, Subpart WWWW.
c.	40 CFR Part 63, Subpart WWWW (40 CFR Part 63.5780 – 5935)	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart WWWW (National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production) as specified in Section B.

(2) Additional Terms and Conditions

a. The OC emission factors used to calculate the OC emissions were established by the permittee. Should more accurate emission factors be developed in the future, the permittee shall use them, provided the emission factors are mutually agreeable between the Ohio EPA, through the Cleveland DAQ, and Glastic Corporation South Euclid Facility.

b. In accordance with paragraph (A)(3) of OAC rule 3745-21-25, upon achieving compliance with this rule, the reinforced plastic composite production operations at this facility are not required to meet the February 18, 2008 revision of OAC rule 3745-21-07.

c) Operational Restrictions

(1) The permittee shall keep containers that store HAP containing resin materials and cleanup materials closed or covered, except during the addition or removal of materials. Bulk HAP-containing material storage tanks may be vented as necessary for safety.

[Authority for term: OAC rule 3745-77-07(A)(1) and 40 CFR Part 63 Subpart WWWW Table 4, and PTI P0110227].

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain and record the following information for each day when this emissions unit is in operation:

a. the company identification of each liquid resin mix received for processing;

b. company identification of the OC emission factor (EF) for each liquid resin mix processed;

c. the total hours of operation;

d. the total OC emissions from all liquid resin mixes employed in lbs[summation of (EF, in lbs/hr) x (c, for each resin mix)]; and

e. the average hourly OC emission rate, in lbs (d/c).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(2) The permittee shall maintain monthly records of the following information for emission units P042, P047, P049, P050, P051, P053, P059, and P060 combined:

a. the volume of each cleanup material dispensed, in gallons;

b. the volume of each cleanup material returned, in gallons;

c. the volume of each evaporated cleanup material, in gallons. This shall be calculated by subtracting the volume of each returned cleanup material from the volume of each dispensed cleanup material [(a) – (b)];

d. the OC content of each cleanup material employed, in lbs/gallon; and

e. the OC emissions from all cleanup materials employed, in lbs [the summation of (c) x (d) for all cleanup material employed).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall maintain annual records of the total OC emissions from all cleanup material employed for the calendar year, in tons [summation of d)(2)e. for all months of the calendar year and divided by 2,000 lbs/ton].

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the hourly OC emission limitations for this unit was exceeded, and what the hourly OC emissions were for each such day.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall submit annual reports to the Cleveland Division of Air Quality that specify the total OC emissions (i.e., from both the laminate product and from all cleanup material employed) 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 date for this emissions unit in the annual Fee Emission Reports.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

f) Testing Requirements

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

a. <u>Emission Limitation</u>:

1.50 lbs of OC emissions/hr, for the laminate press (fugitive emissions)

<u>Applicable Compliance Method</u>:

The OC emission limitation was established by the use of emission factors developed by the permittee through laboratory bench scale testing and by the calculation method outlined in (d)(1).

Compliance with the OC emission limitation shall be determined by the recordkeeping requirements specified in d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1)and PTI P0110227]

b. Emission Limitation:

6.57 tons of OC emissions/yr, for the laminate press (fugitive emissions).

Applicable Compliance Method:

The annual OC emission limitation was established by multiplying the hourly OC emission limitation by 8,760 hrs/yr, and dividing by 2,000 lbs/ton. Therefore provided compliance is maintained with the hourly OC emission limitation, compliance with the annual OC emission shall also be demonstrated.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

c. Emission Limitation:

0.324 ton of OC emissions/yr, from all cleanup material employed for emission units P042, P047, P049, P050, P051, P053, P059, and P060 combined.

Applicable Compliance Method:

Compliance with the annual OC emission limitation shall be determined by the recordkeeping requirements specified in d)(3).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

g) Miscellaneous Requirements

(1) None.

5. P059, Laminate Press 48

Operations, Property and/or Equipment Description:

Laminate press with manual resin spreader.

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) None.

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) (PTI P0110227 issued 11/7/2012)	Fugitive organic compound (OC) emissions shall not exceed 2.0 lbs/hr, from the laminate press. Fugitive OC emissions shall not exceed 40.0 lbs/day, from the laminate press. Fugitive OC emissions shall not exceed 7.30 tons/yr, from the laminate press. Fugitive OC emissions shall not exceed 0.324 ton/yr, from all cleanup material employed for emission units P042, P047, P049, P050, P051, P053, P059, and P060 combined. The requirements of this rule also include compliance with the requirements of 40 CFR Part 63, Subpart WWWW.
b.	OAC rule 3745-21-25	The requirements of this rule are equivalent to the MACT requirements in 40 CFR Part 63, Subpart WWWW.
c.	40 CFR Part 63, Subpart WWWW (40 CFR Part 63.5780 – 5935)	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart WWWW (National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production) as specified in Section B.

(2) Additional Terms and Conditions

a. The OC emission factors used to calculate the OC emissions were established by the permittee. Should more accurate emission factors be developed in the future, the permittee shall use them, provided the emission factors are mutually agreeable between the Ohio EPA, through the Cleveland DAQ, and Glastic Corporation South Euclid Facility.

b. In accordance with paragraph (A)(3) of OAC rule 3745-21-25, upon achieving compliance with this rule, the reinforced plastic composite production operations at this facility are not required to meet the February 18, 2008 revision of OAC rule 3745-21-07.

c) Operational Restrictions

(1) The permittee shall keep containers that store HAP containing resin materials and cleanup materials closed or covered, except during the addition or removal of materials. Bulk HAP-containing material storage tanks may be vented as necessary for safety.

[Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR Part 63 Subpart WWWW Table 4, and PTI P0110227].

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain and record the following information for each day when this emissions unit is in operation:

a. the company identification of each liquid resin mix received for processing;

b. company identification of the OC emission factor (EF) for each liquid resin mix processed;

c. the total hours of operation;

d. the total OC emissions from all liquid resin mixes employed in lbs [summation of (EF, in lbs/hr) x (c, for each resin mix)]; and

e. the average hourly OC emission rate, in lbs (d/c).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(2) The permittee shall maintain monthly records of the following information for emission units P042, P047, P049, P050, P051, P053, P059, and P060 combined:

a. the volume of each cleanup material dispensed, in gallons;

b. the volume of each cleanup material returned, in gallons;

c. the volume of each evaporated cleanup material, in gallons. This shall be calculated by subtracting the volume of each returned cleanup material from the volume of each dispensed cleanup material [(a) – (b)];

d. the OC content of each cleanup material employed, in lbs/gallon; and

e. the OC emissions from all cleanup materials employed, in lbs [the summation of (c) x (d) for all cleanup material employed).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall maintain annual records of the total OC emissions from all cleanup material employed for the calendar year, in tons [summation of d)(2)e. for all months of the calendar year and divided by 2,000 lbs/ton].

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the hourly and/or daily OC emission limitations for this unit was exceeded, and what the hourly and daily OC emissions were for each such day.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall submit annual reports to the Cleveland Division of Air Quality that specify the total OC emissions (i.e., from both the laminate product and from all cleanup material employed) 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 date for this emissions unit in the annual Fee Emission Reports.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

f) Testing Requirements

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

a. <u>Emission Limitation</u>:

2.0 lbs of OC emissions/hr, for the laminate press (fugitive emissions)

<u>Applicable Compliance Method</u>:

The OC emission limitation was established by the use of emission factors developed by the permittee through laboratory bench scale testing and by the calculation method outlined in d)(1).

Compliance with the OC emission limitation shall be determined by the recordkeeping requirements specified in d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

b. Emission Limitation:

40 lbs of OC emissions/day, from the laminate press (fugitive emissions).

Applicable Compliance Method:

Compliance with the daily OC emission limitation shall be determined by the recordkeeping requirements specified in d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

c. Emission Limitation:

7.3 tons of OC emissions/yr, for the laminate press (fugitive emissions)

Applicable Compliance Method:

The annual OC emission limitation was established by multiplying the daily OC emission limitation by 365 days/yr, and dividing by 2,000 lbs/ton. Therefore provided compliance is maintained with the hourly OC emission limitation, compliance with the annual OC emission shall also be demonstrated.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

d. Emission Limitation:

0.324 ton of OC emissions/yr, from all cleanup material employed for emission units P042, P047, P049, P050, P051, P053, P059, and P060 combined.

Applicable Compliance Method:

Compliance with the annual OC emission limitation shall be determined by the recordkeeping requirements specified in d)(3).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

g) Miscellaneous Requirements

(1) None.

6. P060, Laminate Press 49

Operations, Property and/or Equipment Description:

Laminate press with manual resin spreader.

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) None.

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) (PTI P0110227, issued 11/7/2012)	Fugitive organic compound (OC) emissions shall not exceed 2.75 lbs/hr from the laminate press. Fugitive OC emissions shall not exceed 40 lbs/day, from the laminate press. Fugitive OC emissions shall not exceed 7.3 tons/yr, from the laminate press. Fugitive OC emissions shall not exceed 0.324 ton/yr from all cleanup material employed for emission units P042, P047, P049, P050, P051, P053, P059, and P060 combined. The requirements of this rule also include compliance with the requirements of 40 CFR Part 63, Subpart WWWW.
b.	OAC rule 3745-21-25	The requirements of this rule are equivalent to the MACT requirements in 40 CFR Part 63, Subpart WWWW.
c.	40 CFR Part 63, Subpart WWWW (40 CFR Part 63.5780 – 5935)	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart WWWW (National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production) as specified in Section B.

(1) Additional Terms and Conditions

a. The OC emission factors used to calculate the OC emissions were established by the permittee. Should more accurate emission factors be developed in the future, the permittee shall use them, provided the emission factors are mutually agreeable between the Ohio EPA, through the Cleveland DAQ, and Glastic Corporation South Euclid Facility.

b. In accordance with paragraph (A)(3) of OAC rule 3745-21-25, upon achieving compliance with this rule, the reinforced plastic composite production operations at this facility are not required to meet the February 18, 2008 revision of OAC rule 3745-21-07.

c) Operational Restrictions

(1) The permittee shall keep containers that store HAP containing resin materials and cleanup materials closed or covered, except during the addition or removal of materials. Bulk HAP-containing material storage tanks may be vented as necessary for safety.

[Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR Part 63 Subpart WWWW Table 4, and PTI P0110227].

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain and record the following information for each day when this emissions unit is in operation:

a. the company identification of each liquid resin mix received for processing;

b. company identification of the OC emission factor (EF) for each liquid resin mix processed;

c. the total hours of operation;

d. the total OC emissions from all liquid resin mixes employed in lbs[summation of (EF, in lbs/hr) x (c, for each resin mix)]; and

e. the average hourly OC emission rate, in lbs (d/c).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(2) The permittee shall maintain monthly records of the following information for emission units P042, P047, P049, P050, P051, P053, P059, and P060 combined:

a. the volume of each cleanup material dispensed, in gallons;

b. the volume of each cleanup material returned, in gallons;

c. the volume of each evaporated cleanup material, in gallons. This shall be calculated by subtracting the volume of each returned cleanup material from the volume of each dispensed cleanup material [(a) – (b)];

d. the OC content of each cleanup material employed, in lbs/gallon; and

e. the OC emissions from all cleanup materials employed, in lbs [the summation of (c) x (d) for all cleanup material employed).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall maintain annual records of the total OC emissions from all cleanup material employed for the calendar year, in tons [summation of d(2)e. for all months of the calendar year and divided by 2,000 lbs/ton].

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the hourly and/or daily OC emission limitations for this unit was exceeded, and what the hourly and daily OC emissions were for each such day.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall submit annual reports to the Cleveland Division of Air Quality that specify the total OC emissions (i.e., from both the laminate product and from all cleanup material employed) 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 date for this emissions unit in the annual Fee Emission Reports.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

f) Testing Requirements

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

a. <u>Emission Limitation:</u>

2.75 lbs of OC emissions/hr, from the laminate press (fugitive emissions).

<u>Applicable Compliance Method</u>:

The OC emission limitation was established by the use of emission factors developed by the permit through laboratory bench scale testing and by the calculation method outlined in d)(1).

Compliance with the OC emission limitation shall be determined by the record keeping requirements specified in (d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

b. Emission Limitation:

40 lbs of OC emissions/day, from the laminate press (fugitive emissions).

Applicable Compliance Method:

Compliance with the daily OC emission limitation shall be determined by the recordkeeping requirements specified in d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

c. Emission Limitation:

7.3 tons of OC emissions/yr, for the laminate press (fugitive emissions).

Applicable Compliance Method:

The annual OC emission limitation was established by multiplying the daily OC emission limitation by 365 days/yr, and dividing by 2,000 lbs/ton.Therefore provided compliance is maintained with the daily OC emission limitation, compliance with the annual OC emission shall also be demonstrated. [Authority for term: OAC rule 3745-77-07(C)(1) and P0110227]

d. Emission Limitation:

0.324 ton of OC emissions/yr, from all cleanup material employed for emission units P042, P047, P049, P050, P051, P053, P059, and P060 combined (fugitive emissions).

Applicable Compliance Method:

Compliance with the annual OC emission limitation shall be determined by the record keeping requirements specified in d)(3).

[Authority for term: OAC rule 3745-77-07(C)(1) and P0110227]

g) Miscellaneous Requirements

(1) None.

7. P063, Tote Filling - Cold Room

Operations, Property and/or Equipment Description:

Cold room tote filling station.

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) None.

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) (PTI P0110227, issued 11/7/2012)	Fugitive emissions of organic compounds (OC) shall not exceed 1.0 lb /hr. Fugitive OC emissions shall not exceed 4.38 tons /yr. The requirements of this rule also include compliance with the requirements of 40 CFR Part 63, Subpart WWWW.
b.	OAC rule 3745-21-25	The requirements of this rule are equivalent to the MACT requirements in 40 CFR Part 63, Subpart WWWW.
c.	40 CFR Part 63, Subpart WWWW (40 CFR Part 63.5780 – 5935)	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart WWWW (National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production) as specified in Section B.

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

(1) The permittee shall keep containers that store HAP containing resin materials and cleanup materials closed or covered, except during the addition or removal of materials. Bulk HAP-containing material storage tanks may be vented as necessary for safety.

[Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR Part 63 Subpart WWWW Table 4, and PTI P0110227]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain and record the following information for each day when this emissions unit is in operation:

a. the types of liquid resin mixes employed in the tote filling;

b. the OC content of each liquid resin mix, in lbs of OC emissions/tote filled*;

c. the total number of totes filled;

d. the total number of hours this emissions unit was in operation;

e. the total OC emissions, in lbs [summation of (b) x (c) for each tote filled]; and

f. the average hourly OC emission rate, in lbs [e/d].

* An initial OC emission factor of 0.21 lb of OC emissions/tote filled was established by the permittee. Should a more accurate emission factor be developed in the future, the permittee shall use it provided the emission factor is mutually agreeable between the Ohio EPA, through the Cleveland DAQ, and Glastic Corporation South Euclid Facility.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the hourly OC emission limitation for this unit was exceeded, and that the hourly OC emissions were for each such day.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall submit annual reports to the Cleveland DAQ that specify the total OC emissions, in tons, 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 Reports.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

f) Testing Requirements

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

a. Emission Limitation:

1.0 lb of OC emissions/hr.

Applicable Compliance Method:

The hourly OC emission limitation was established by the following methodology:

hourly OC emissions = (0.21 lb of OC emissions/tote filled*) x (totes filled/day) x (1 day/hours of operation)

* The OC emission factor was established by the permittee. Should a more accurate emission factor be developed in the future, the permittee shall use it provided the emission factor is mutually agreeable between the Ohio EPA, the Cleveland DAQ, and Glastic Corporation South Euclid Facility.

Compliance with the OC emission limitation shall be determined by the record keeping requirements specified in d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

b. Emission Limitation:

4.38 tons of OC emissions/year.

Applicable Compliance Method:

The annual OC emission limitation was established by multiplying the hourly OC emission limitation by 8,760-hours/year, and dividing by 2,000 pounds/ton. Therefore provided compliance is maintained with the hourly OC emission limitation, compliance with the annual OC emission shall also be demonstrated.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

g) Miscellaneous Requirements

(1) None.

8. P065, Pultrusion Line 39

Operations, Property and/or Equipment Description:

Pultrusion Line - Wet out bath and cutting saw for plastic molding. Emissions unit controlled by a central dust collector.

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) None.

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) As effective 11/30/2001	Fugitive organic compound emissions shall not exceed 40.0 lbs/day from the pultrusion line (P065). Particulate emissions shall not exceed 1.0 lb/hr from this emissions unit (stack emissions). Visible particulate emissions from the dust collector stack shall not exceed 5% opacity, as a 6-minute average, except as provided by rule.
b.	OAC rule 3745-31-05(E) (PTI P0111968 issued 11/21/2012)	Fugitive organic compound emissions shall not exceed 7.3 tons/yr from the pultrusion line (P065). Fugitive organic compound (OC) emissions shall not exceed 2.56 tons/yr from all cleanup material employed in emissions units P023, P026, P027, P028, P029, P030, P032, P033, P034, P035, P036, P037, P038, P039, P040 P065, P073, and P074 combined.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
c.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the dust collector stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule. This limit applies after the SIP is approved per b)(2)e. below.
d.	OAC rule 3745-17-11(B)	2.91 lbs of particulate emissions (PE)/hr (stack emissions). This limit applies after the SIP is approved per b)(2)e. below.
e.	OAC rule 3745-21-25	The requirements of this rule are equivalent to the MACT requirements in 40 CFR Part 63, Subpart WWWW.
f.	OAC rule 3745-31-05(A)(3)(a)(ii) As effective 12/01/2006	See b)(2)c. and b)(2)d. below.
g.	40 CFR Part 63, Subpart WWWW (40 CFR Part 63.5780 – 5935)	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart WWWW (National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production) as specified in Section B.

(2) Additional Terms and Conditions

a. The particulate emissions from this emissions unit shall be vented to the central dust collector dust collector that controls the particulate emissions from all of the emissions units at this facility.

b. The OC emission factors used to calculate the OC emissions were established by the permittee. Should more accurate emission factors be developed in the future, the permittee shall use them, provided the emission factors are mutually agreeable between the Ohio EPA, through the Cleveland DAQ, and Glastic Corporation, South Euclid Facility.

c. Permit to Install P0111968 for this air contaminant takes into account the following voluntary restrictions (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements for particulate emissions under OAC rule 3745-31-05(A)(3):

i. Use of dust collector by pultruson line #39 (P065).

d. Permit to Install P0111968 for this air contaminant takes into account the following voluntary restrictions (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements for organic compound emissions under OAC rule 3745-31-05(A)(3):

i. Adherence to work practice standards and engineering controls specified in 40 CFR 63, Subpart WWWW.

e. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to PAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1,2006, paragraph (A)(3) was revised to conform to ORC changes effective August 3, 2006 (SB 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutants less than ten tons per year. However, that rule revision has not yet been approved by the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revision to OAC rule 3745-31-05, the requirements to satisfy BAT as part of the federally-approved SIP for Ohio.

Once the U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05, then these emission limits/control measures no longer apply.

f. The emission of organic material from the pultrusion operation consists of styrene, a photochemically reactive material and hazardous air pollutant (HAP).

g. In accordance with paragraph (A)(3) of OAC rule 3745-21-25, upon achieving compliance with this rule, the reinforced plastic composite production operations at this facility are not required to meet the February 18, 2008 revision of OAC rule 3745-21-07.

c) Operational Restrictions

(1) The permittee shall operate the dust collector whenever this emissions unit is in operation. The permittee shall maintain the dust collector in accordance with the manufacturer's recommendations, instructions, and/or operating manuals, with any modifications deemed necessary by the permittee.

In the event that the dust collector is not operating in accordance with the manufacturer's recommendations, instructions, or operating manuals, with any modifications deemed necessary by the permittee, the control device shall be expeditiously repaired and returned to these documented operating conditions.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI P0111968]

(2) The permittee shall keep containers that store HAP-containing materials and cleanup materials closed or covered, except during the additional or removal of materials. Bulk HAP-containing material storage tanks may be vented as necessary for safety.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI P0111968]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain and record the following information for each day when this emissions unit is in operation:

a. the name of each type of pultrusion part;

b. the emission factor for each type of pultrusion part, in lbs of OC emissions/square foot of wet area/hr;

c. the wet area for each type of pultrusion part, in square feet;

d. the OC emissions for each type of pultrusion part, in lbs [(b) x (c)];

e. the total OC emissions from all pultrusion parts, in lbs [summation of (d) for all pultrusion parts made];

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

g. the average hourly OC emission rate, in lbs/hr (e/f).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111968]

(2) The permittee shall maintain monthly records of the following information for emissions units P023, P026, P027, P028, P029, P030, P032, P033, P034, P035, P036, P037, P038, P039, P040, P065, P073, and P074 combined:

a. the volume of each cleanup material dispensed, in gallons;

b. the volume of each cleanup material returned, in gallons;

c. the volume of each evaporated cleanup material, in gallons. This shall be calculated by subtracting the volume of each returned cleanup material from the volume of each dispensed cleanup material [(a) - (b)];

d. the OC content of each cleanup material employed, in lbs/gallon; and

e. the OC emissions from all cleanup materials employed, in lbs [the summation of (c) x (d) for all cleanup material employed).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111968]

(3) The permittee shall maintain annual records of the total OC emissions from all cleanup material employed for the calendar year, in tons [summation of d)(2)e. for all months of the calendar year and divided by 2,000 lbs/ton].

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111968]

(4) The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible PE from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

d. the total duration of any visible emission incident; and

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

If the weekly checks show visible emissions that are representative of normal operation for 12 consecutive operating weeks, the required frequency of visible emissions checks may be reduced to monthly. If a subsequent check indicates abnormal visible emissions, the frequency of emissions checks shall revert to weekly until such time there are 12 consecutive operating weeks of normal visible emissions

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111968]

(5) The permittee shall maintain daily records that document any time period when the dry filtration system was not in service with this emissions unit was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1) and P0111968]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the daily OC emission limitation for this emissions unit was exceeded, and what the daily OC emissions were for each such day.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111968]

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

[Authority for term: OAC rule 3745-15-03(B)(1)(a), OAC rule 3745-15-03(c), and OAC rule 3745-77-07(C)(1) and PTI P0111968]

(3) The permittee shall notify Cleveland DAQ in writing of any daily records showing that the dust collector was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent within 30 days after the event occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and P0111968]

(4) The permittee shall submit semiannual written reports that (a) identify all days during which any visible PE were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Cleveland DAQ by January 31 and July 31 of each year and shall cover the previous 6-month period.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111968]

(5) The permittee shall submit annual reports to the Cleveland Division of Air Quality that specify the total OC emissions (i.e., from all the pultrusion parts made by this emissions unit and from cleanup material employed from all pultrusion lines) for the previous calendar year, in tons. 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 Reports.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111968]

(6) 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.

[Authority for term: OAC rule 3745-77-07(C)(1) and P0111968]

f) Testing Requirements

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

a. <u>Emission Limitation</u>:

40 lbs of OC emissions/day, from the pultrusion line (fugitive emissions).

Applicable Compliance Method:

Compliance with the daily OC emission limitation shall be determined by the record keeping requirements specified by in d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111968]

b. Emission Limitation:

7.3 tons of OC emissions per year from the pultrusion line

Applicable Compliance Method:

Compliance shall be determined by summing the daily OC emissions and dividing by 2,000 lbs/ton.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111968]

c. Emission Limitation:

Fugitive OC emissions shall not exceed 2.56 tons/year from all cleanup material employed for emissions units P023, P026, P027, P028, P029, P030, P032, P033, P034, P035, P036, P037, P038, P039, P040, P065, P073, and P074 combined.

Applicable Compliance Method:

Compliance shall be determined through the recordkeeping requirements established in d)(2) and d)(3).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111968]

d. Emission Limitation:

Particulate emissions shall not exceed 1.0 lb/hour from this emissions unit.

Applicable Compliance Method:

Compliance with the lb/hour limitation shall be demonstrated through emissions test performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111968]

e. Emission Limitation:

Visible particulate emissions from the dust collector stack shall not exceed 5% opacity as a 6-minute average.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111968]

f. Emission Limitation:

Visible particulate emissions from the dust collector stack shall not exceed 20% opacity, as a 6-minute average. This limit applies after the SIP is approved per b)(2)e.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111968]

g. Emission Limitation:

2.91 lbs of particulate emissions (PE)/hr, from emission unit P065 (stack emissions). This limit applies after the SIP is approved per b)(2)e.

Applicable Compliance Method:

The hourly PE emission rate from the dust collector stack was determined by the following methodology:

HER = (DCFR) x ((DCEF) x (TI) x (CONV) = lb PE/hr (combined total for all emission units that are vented to the dust collector)

HER = hourly emission rate (lb of PE/hr);

DCFR = total dust collector flow rate (dscf/min);

DCEF = dust collector efficiency (grain/dscf);

TI = time (60 minutes/hr); and

CONV = conversion factor 1 lb/7,000 grains).

If required, the permittee shall demonstrate compliance with the hourly PE limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5, as appropriate.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111968]

g) Miscellaneous Requirements

(1) Potential to emit calculations:

Particulate emissions:

Controlled outlet emission rate from dust collector:

22,703 dscf/min x 0.005 gr/dscf x 60 mins/hr x lb/7000 gr = 0.97 lb PE/hr; and

0.97 lb PE/hr x (8,760 hrs/year) x (ton/2000 lbs) = 4.25 TPY of PE (total for emissions units P014, P023, P026, P027, P028, P029, P030, P032, P033, P035, P036, P037, P038, P039, P040, P065, P073, and P074 that are vented to the central dust collector).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111968]

9. P075, 4 X 8 Sheet Sander

Operations, Property and/or Equipment Description:

Laminate sheet sander controlled by a baghouse.

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) None.

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), as effective 11/30/01.	Particulate emissions (PE) shall not exceed 1.71 lbs/hr and 7.51 tons/year. See b)(2)a. and b)(2)b. below.
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06.	See b)(2)b. below.
c.	OAC rule 3745-31-05(F) (PTI P0111096, issued 10/1/12)	PE shall not exceed 2.17 lbs/hr and 9.5 tons/year. These limits apply after the SIP is approved per b)(2)a. below.
d.	OAC rule 3745-17-07(A)(1)	Visible PE from the baghouse exhaust stack shall not exceed 20% opacity as a six-minute average, except as provided by rule.
e.	OAC rule 3745-17-11(B)(1)	The PE limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3) and 31-05(F).

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001,

in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State Regulations for NAAQS pollutants less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once the U.S. EPA approves the December 1, 2006 version of 3745-31-05, then these emission limitations/control measures no longer apply.

b. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan. The Best Available Technology requirements under OAC rule 3745-31-05(A)(3) do not apply to the PE emissions from this air contaminant source since the controlled potential to emit of PE is less than 10 tons per year.

c. The emissions from this emissions unit shall be vented to a baghouse at all times when this emissions unit is in operation.

c) Operational Restrictions

(1) In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable range established for the pressure drop across the baghouse is between 0.20 and 3.0 inches of water

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI P0111096]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall properly operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse when the emission unit is in operation, including periods of startup and shutdown. The permittee shall record the pressure drop across the baghouse on a daily basis. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee.

Whenever the monitored value for the pressure drop deviates from the limit or range established in accordance with this permit, the permittee shall promptly investigate the case of the deviation. The permittee shall maintain records of the following information for each investigation:

a. the date and time the deviation began;

b. the magnitude of the deviation at that time;

c. the date the investigation was conducted;

d. the name(s) of the personnel who conducted the investigation; and

e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified in this permit, unless the permittee determined that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

f. the date and time the deviation began;

g. the magnitude of the deviation at that time;

h. the date and time the deviation ended;

i. the total period of time (in minutes) during which there was a deviation;

j. the pressure drop readings immediately after the corrective action was implemented; and

k. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

This range or limit on the pressure drop across the baghouse is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted limit or range for the pressure drop based upon information obtained during future testing that demonstrates compliance with the allowable particulate emission rate for the controlled emissions units. In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative modification.

[Authority for term: OAC rule 3745-77-07(C)(1 and PTI P0111096]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation reports that identify the following information concerning the operation of the baghouse during the 12-month reporting period for this emissions unit:

a. each period of time (start time and date, and end time and date) when the pressure drop across the baghouse as outside of the acceptable range;

b. any period of time (start time and date, and end time and date) when the emissions unit was in operation and the process emissions were not vented to the baghouse;

c. each incident of deviation described in "a" (above) where a prompt investigation was not conducted;

d. each incident of deviation described in "a" where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and

e. each incident of deviation described in "a" where proper records were not maintained for the investigation and/or the corrective action(s), as identified in the monitoring and recordkeeping requirements of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111096]

f) Testing Requirements

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

a. Emission Limitation:

PE shall not exceed 1.71 lbs/hr and 7.51 TPY.

Applicable Compliance Method:

If required, compliance with the lb/hr emission limitation shall be demonstrated through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedure specified in OAC rule 3745-17-03(B)(1).

The annual emission limitation was established by multiplying the hourly emission limitation by 8,760-hours of operation per year and dividing by 2,000 pounds per ton. Therefore, provided compliance is maintained with the pounds per hour limitation, compliance with the annual PE limit shall also be demonstrated.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111096]

b. Emission Limitation:

PE shall not exceed 2.17 lbs/hr and 9.5 TPY (These limits apply after the SIP is approved per b)(2)a. above).

Applicable Compliance Method:

If required, compliance with the lb/hr emission limitation shall be demonstrated through emission tests performed in accordance with 40 CFR Part 60, Appendix

A, Methods 1 through 5 and the procedure specified in OAC rule 3745-17-03(B)(1).

The annual emission limitation was established by multiplying the hourly emission limitation by 8,760-hours of operation per year and dividing by 2,000 pounds per ton. Therefore, provided compliance is maintained with the pounds per hour limitation, compliance with the annual PE limit shall also be demonstrated.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111096]

c. Emission Limitation:

Visible particulate emissions from the stack shall not exceed 20% opacity as a six-minute average.

Applicable Compliance Method:

Compliance with the visible PE limitation shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111096]

g) Miscellaneous Requirements

(1) None.

10. Emissions Unit Group -Laminate Presses: P042, P049,P050,P053,

EU ID	Operations, Property and/or Equipment Description
P042	Laminate press with manual resin spreader.
P047	Laminate press with manual resin spreader.
P049	Laminate press with manual resin spreader.
P050	Laminate press with manual resin spreader.
P053	Laminate press with manual resin spreader.

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) None.

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) (PTI P0110227, issued 11/7/2012)	Fugitive organic compound (OC) emissions shall not exceed 1.0 lb/hr, from each of the laminate presses. Fugitive OC emissions shall not exceed 4.38 lbs /year from each laminate press Fugitive OC emissions shall not exceed 0.324 ton /year, from all cleanup material employed for emission units P042, P047, P049, P050, P051, P053, P059, and P060 combined. The requirements of this rule also include compliance with the requirements of 40 CFR Part 63, Subpart WWWW.
b.	OAC rule 3745-21-25	The requirements of this rule are equivalent to the MACT requirements in 40 CFR Part 63, Subpart WWWW.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
c.	40 CFR Part 63, Subpart WWWW (40 CFR Part 63.5780 – 5935)	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart WWWW (National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production) as specified in Section B.

(2) Additional Terms and Conditions

a. The OC emission factors used to calculate the OC emissions were established by the permittee. Should more accurate emission factors be developed in the future, the permittee shall use them, provided the emission factors are mutually agreeable between the Ohio EPA, the Cleveland DAQ, and Glastic Corporation South Euclid facility.

b. In accordance with paragraph (A)(3) of OAC rule 3745-21-25, upon achieving compliance with this rule, the reinforced plastic composite production operations at this facility are not required to meet the February 18, 2008 revision of OAC rule 3745-21-07.

c) Operational Restrictions

(1) The permittee shall keep containers that store HAP containing resin materials and cleanup materials closed or covered, except during the addition or removal of materials. Bulk HAP-containing material storage tanks may be vented as necessary for safety.

[Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR Part 63 Subpart WWWW Table 4, and PTI P0110227]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain and record the following information for each day when the above emissions units are in operation:

a. the company identification of each liquid resin mix received for processing;

b. the company identification of the OC emission factor (EF) for each liquid resin mix processed;

c. the total hours of operation;

d. the total OC emissions from all liquid resin mixes employed, in lbs [summation of (EF, in lbs of OC/hr) x (c, for each liquid resin mix)]; and

e. the average hourly OC emission rate, in lbs (d/c).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(2) The permittee shall maintain monthly records of the following information for emission units P042, P047, P049, P051, P053, P059, and P060 combined:

a. the volume of each cleanup material dispensed, in gallons;

b. the volume of each cleanup material returned, in gallons;

c. the volume of each evaporated cleanup material, in gallons. This shall be calculated by subtracting the volume of each returned cleanup material from the volume of each dispensed cleanup material [(a) – (b)];

d. the OC content of each cleanup material employed, in lbs/gallon; and

e. the OC emissions from all cleanup materials employed in lbs [summation of (c) x (d) for all cleanup material employed].

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall maintain annual records of the total OC emissions from all cleanup material employed for the calendar year, in tons [summation of d)(2)e. for all months of the calendar year and divided by 2,000 lbs/ton].

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

e) Reporting Requirements

(1) The permittee shall submit a quarterly deviation (excursion) report that includes an identification of each day during which the hourly OC emission limitation for each emissions unit was exceeded, and what the hourly OC emissions were for each such day.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall submit annual reports to the Cleveland Division of Air Quality that specify the total OC emission (i.e., from both the laminate product and from all cleanup material employed) from the emissions unit for the previous calendar year. The reports shall be submitted by April 15 of each year. The reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Reports.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

f) Testing Requirements

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

a. Emissions Limitation:

1.0 lb of OC emissions/hr, for each laminate press (fugitive emissions)

Applicable Compliance Method:

The OC emission limitation was established by the use of emission factors developed by the permittee through laboratory bench scale testing and by the calculation method outlined in d)(1).

Compliance with the OC emission limitation shall be determined by the record keeping requirements specified in d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

b. Emission Limitation:

4.38 tons of OC emission/yr, for each laminate press (fugitive emissions)

Applicable Compliance Method:

The annual OC emission limitation was established by multiplying the hourly OC emission limitation by 8,760 hours/year, and dividing by 2,000 lbs/ton. Therefore, provided compliance is maintained with the hourly OC emission limitation, compliance with the annual OC emission shall also be demonstrated.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

c. Emission Limitation:

0.324 ton of OC emissions/yr from all cleanup material employed for emission units P042, P047, P049, P050, P051, P053, P059, and P060 combined.

Applicable Compliance Method:

Compliance with the annual OC emission limitation shall be determined by the recordkeeping requirements specified in d)(3).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

g) Miscellaneous Requirements

(1) None.

11. Emissions Unit Group -Pultrusion Press Group 1: P039,P040,

EU ID	Operations, Property and/or Equipment Description
P039	Pultrusion press with a bath section, heated die and curing section, and a cut-off saw. Line used to produce fuse tubes, channels, doors, and rods. Emissions unit controlled by a central dust collector.
P040	Pultrusion press with a bath section, heated die and curing section, and a cut-off saw. Emissions controlled by a central dust collector.

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) None.

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) (PTI P0110227, issued 11/7/12)	Fugitive organic compound (OC) emissions shall not exceed 2.0 lbs/hr from each pultrusion line. Fugitive OC emissions shall not exceed 40 lbs/day from each pultrusion line. Fugitive OC emissions shall not exceed 7.3 tons/yr from each pultrusion line. Fugitive OC emissions shall not exceed 2.56 tons/yr from all cleanup material employed in P023, P026, P027, P028, P029, P030, P032, P033, P034, P035, P036, P037, P038, P039, P040, P065, P073, and P074 combined. Particulate emissions (PE) shall not exceed 0.354 lb/hr from emissions units P023, P037, P038, P039, and P040 combined (stack emissions). PE shall not exceed 1.550 tons of PE/yr from emissions units P023, P037, P038, P039, and P040 combined (stack emissions).

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		Visible PE shall not exceed 5% opacity, as a 6-minute average, from the dust collector stack. The requirements of this rule also include compliance with the requirements of 40 CFR Part 63, Subpart WWWW.
b.	OAC rule 3745-17-07(A)(1)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
d.	OAC rule 3745-21-25	The requirements of this rule are equivalent to the MACT requirements in 40 CFR Part 63, Subpart WWWW.
e.	40 CFR Part 63, Subpart WWWW (40 CFR 63.5780 – 5935)	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart WWWW (National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production) as specified in Section B.

(2) Additional Terms and Conditions

a. The particulate emissions from the above emission units shall be vented to the central dust collector dust collector that controls the particulate emissions from all of the emissions units at this facility.

b. The emission of organic material from the resin consists of styrene, a photochemically reactive material and hazardous air pollutant (HAP).

c. The OC emission factors used to calculate the OC emissions were established by the permittee. Should more accurate emission factors be developed in the future, the permittee shall use them, provided the emission factors are mutually agreeable between the Ohio EPA, through the Cleveland DAQ, and Glastic Corporation South Euclid Facility.

d. In accordance with paragraph (A)(3) of OAC rule 3745-21-05, upon achieving compliance with this rule, the reinforced plastic composite production operations at this facility are not required to meet the February 18, 2008 revision of OAC rule 3745-21-07.

c) Operational Restrictions

(1) The permittee shall operate the dust collector whenever the above emission units are in operation. The permittee shall maintain the dust collector filter in accordance with the manufacturer's recommendations, instructions, and/or operating manuals, with any modifications deemed necessary by the permittee.

In the event that the dust collector is not operating in accordance with the manufacturer's recommendations, instructions, or operating manuals, with any modifications deemed necessary by the permittee, the control device shall be expeditiously repaired and returned to these documented operating conditions.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI P0110227]

(2) The permittee shall keep containers that store HAP containing resin materials and cleanup materials closed or covered, except during the addition or removal of materials. Bulk HAP-containing material storage tanks may be vented as necessary for safety.

[Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR Part 63 Subpart WWWW, Table 4 and PTI P0110227]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain and record the following information for each day when the above identified emissions units are in operation:

a. the name and type of each pultrusion part;

b. the emission factor for each type of pultrusion part, in lbs of OC emissions/square foot of wet area/hr;

c. the wet area for each type of pultrusion part, in square feet;

d. the OC emissions for each type of pultrusion part, in lbs [(b) x (c)];

e. the total OC emissions from all pultrusion parts, in lbs [summation of (d) for all pultrusion parts made];

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

g. the average hourly OC emission rate in lbs/hr (e/f).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(2) The permittee shall maintain monthly records of the following information for emissions units P023, P026, P027, P028, P029, P030, P032, P033, P034, P035, P036, P037, P038, P039, P040, P065, P073, and P074 combined:

a. the volume of each cleanup material dispensed, in gallons;

b. the volume of each cleanup material returned, in gallons;

c. the volume of each evaporated cleanup material, in gallons. This shall be calculated by subtracting the volume of each returned cleanup material from the volume of each dispensed cleanup material [(a) - (b)];

d. the OC content of each cleanup material employed, in lbs/gallon; and

e. the OC emissions from all cleanup materials employed, in lbs [the summation of (c) x (d) for all cleanup material employed).

[Authority for term: OAC rule 3745-77-07(C)(1)]

(3) The permittee shall maintain annual records of the total OC emissions from all cleanup material employed for the calendar year, in tons [summation of d)(2)e. for all months of the calendar year and divided by 2,000 lbs/ton].

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(4) The permittee shall perform weekly checks, when the emission units are in operation and when the weather conditions allow, for any visible PE from the stack serving the emissions units. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

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

If the weekly checks show visible emissions that are representative of normal operations for 12 consecutive operating weeks, the required frequency of visible emissions checks may be reduced to monthly. If a subsequent check indicates abnormal visible emissions, the frequency of emissions checks shall revert to weekly until such time there are 12 consecutive operating weeks of normal visible emissions.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(5) The permittee shall maintain daily records that document any time period when the dust collector was not in service when the emissions units were in operation.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the hourly and/or daily OC emission limitations for the emissions units were exceeded, and what the hourly and daily OC emissions were for each such day.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall submit semiannual written reports that (a) identify all days during which any visible PE were observed from the dust collector stack (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Cleveland DAQ by January 31 and July 31 of each year and shall cover the previous 6-month period.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(4) The permittee shall submit annual reports to the Cleveland Division of Air Quality that specify the total OC emissions (i.e., from all the pultrusion parts made on each pultrusion line and from cleanup material employed from all pultrusion lines) for the previous calendar year, in tons. 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 Reports.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(5) The permittee shall notify Cleveland DAQ in writing for any daily records showing that the dust collector was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent within 30 days after the event occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(6) 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 webportal.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

f) Testing Requirements

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

a. Emissions Limitation:

2.0 lbs of OC emissions/hr, from each pultrusion line (fugitive emissions).

Applicable Compliance Method:

The OC emission limitation was established by the use of emission factors developed by the permittee through laboratory bench scale testing and by the calculation method outlined in d)(1).

Compliance with the OC emission limitation shall be determined by the record keeping requirements specified in Section d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

b. Emissions Limitation:

40 lbs of OC emissions/day, from each pultrusion line (fugitive emissions).

Applicable Compliance Method:

Compliance with the daily OC emission limitation shall be determined by the record keeping requirements specified by in d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

c. Emissions Limitation:

7.3 tons of OC emissions/yr, from each pultrusion line (fugitive emissions).

Applicable Compliance Method:

The annual OC emission limitation was established by multiplying the daily OC emission limitation from the pultrusion line by 365 days/year, and dividing by 2,000 lbs/ton. Therefore, provided compliance is maintained with the daily OC emission limitation, compliance with the annual OC emission shall also be demonstrated.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

d. Emission Limitation:

2.56 tons of OC emissions/yr, from all cleanup material employed for emissions units P023, P026, P027, P028, P029, P030, P032, P033, P034, P035, P036, P037, P038, P039, P040, P065, P073, and P074 combined (fugitive emissions).

Applicable Compliance Method:

Compliance with the annual OC emission limitation shall be determined by the record keeping requirements specified in d)(2) and d)(3).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

e. Emission Limitation:

Visible PE shall not exceed 5% opacity, as a 6-minute average, from the dust collector stack.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

[Authority for term: OAC rule 3745-77-07(C)(1 and PTI P0110227)]

f. Emission Limitation:

0.354 lb of PE/hr, from emissions units P023, P037, P038, P039, and P040 combined (stack emissions).

Applicable Compliance Method:

The hourly PE limitation was established by the following methodology:

HER = (DCFR) x (DCEF) x (TI) x (CONV) = lb PE/hr

where:

HER = hourly emission rate (lb of PE/hr);

DCFR = dust collector flow rate (dscfm);

DCEF = dust collector efficiency (grain/dscf);

TI = time (60 minutes/hr); and

CONV = conversion factor 1 lb/7,000 grains).

If required, the permittee shall demonstrate compliance with the hourly PE limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5, as appropriate.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

g. Emission Limitation:

1.550 tons of PE/yr, from emissions units P023, P037, P038, P039, and P040 combined (stack emissions).

Applicable Compliance Methods:

The annual PE limitation was established by multiplying the hourly PE limitation by the maximum operating schedule of 8,760 hrs/year, and dividing by 2,000 lbs/ton. Therefore, compliance with the annual PE limitation is ensured while compliance with the hourly PE limitation is maintained.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

g) Miscellaneous Requirements

(1) Potential to emit calculations:

particulate emissions:

Controlled outlet emission rate from dust collector:

(22,703 dscf/min) x (0.005 gr/dscf) x (60 min/hr) x (1 lb/7,000 gr) = 0.97 lb PE/hr; and

(0.97 lb PE/hr) x (8,760 hrs/yr) x (1 ton/2,000 lbs) = 4.25 TPY of PE (total for emissions units P014, P023, P026, P027, P028, P029, P030, P032, P033, P035, P036, P037, P038, P039, P040, P065, P073, and P074 that are vented to the central dust collector)

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

12. Emissions Unit Group -Pultrusion Press Group 2: P028,P033,P034,

EU ID	Operations, Property and/or Equipment Description
P028	Pultrusion press with a bath section, heated die and curing section, and a cut-off saw. Emissions unit controlled by a central dust collector.
P033	Pultrusion press with a bath section, heated die and curing section, and a cut-off saw. Emissions unit controlled by a central dust collector.
P034	Pultrusion press with a bath section, heated die and curing section, and a cut-off saw. Emissions unit controlled by central dust collector.

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) None.

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) (PTI P0110227 issued on 11/7/12)	Fugitive organic compound (OC) emissions shall not exceed 2.50 lbs/hr from each pultrusion line. Fugitive OC emissions shall not exceed 40 lbs/day from each pultrusion line . Fugitive OC emissions shall not exceed 7.3 tons /yr from each pultrusion line. Fugitive OC emissions shall not exceed 2.56/yr from all cleanup material employed in P023, P026, P027, P028, P029, P030, P032, P033, P034, P035, P036, P037, P038, P039, P040, P065, P073, and P074 combined. Particulate emissions (PE) shall not exceed 0.475 lb/hr from emissions units P028, P033, P034, P035, and P036 combined (stack emissions). PE shall not exceed 2.082 tons/yr from emissions units P028, P033, P034, P035, and P036 combined (stack emissions).

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		Visible PE shall not exceed 5% opacity, as a 6-minute average, from the dust collector stack. The requirements of this rule also include compliance with the requirements of 40 CFR Part 63, Subpart WWWW.
b.	OAC rule 3745-17-07(A)(1)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
d.	OAC rule 3745-21-25	The requirements of this rule are equivalent to the MACT requirements in 40 CFR Part 63, Subpart WWWW.
e.	40 CFR Part 63, Subpart WWWW (40 CFR 63.5780-5935)	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart WWWW (National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production) as specified in Section B.

(2) Additional Terms and Conditions

a. The particulate emissions from the above emissions units shall be vented to the central dust collector dust collector that controls the particulate emissions from all of the emissions units at this facility.

b. The emission of organic material from the resin consists of styrene, a photochemically reactive material and a hazardous air pollutant (HAP).

c. The OC emission factors used to calculate the OC emissions were established by the permittee. Should more accurate emission factors be developed in the future, the permittee shall use them, provided the emission factors are mutually agreeable between the Ohio EPA, through the Cleveland DAQ, and Glastic Corporation South Euclid Facility.

d. In accordance with paragraph (A)(3) of OAC rule 3745-21-25, upon achieving compliance with this rule, the reinforced plastic composite production operations at this facility are not required to meet the February 18, 2008 revision of OAC rule 3745-21-07.

c) Operational Restrictions

(1) The permittee shall operate the dust collector whenever the above identified emissions units are in operation. The permittee shall maintain the dust collector filter in accordance with the manufacturer's recommendations, instructions, and/or operating manuals, with any modifications deemed necessary by the permittee.

In the event that the dust collector is not operating in accordance with the manufacturer's recommendations, instructions, or operating manuals, with any modifications deemed necessary by the permittee, the control device shall be expeditiously repaired and returned to these documented operating parameters.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI P0110227]

(2) The permittee shall keep containers that store HAP containing resin materials and cleanup materials closed or covered, except during the addition or removal of materials. Bulk HAP-containing material storage tanks may be vented as necessary for safety.

[Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR Part 63, Subpart WWWW, Table 4, and PTI P0110227]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain and record the following information for each day when the emissions units are in operation:

a. the name and type of each pultrusion part;

b. the emission factor for each type of pultrusion part, in lbs of OC emissions/square foot of wet area/hr;

c. the wet area for each type of pultrusion part, in square feet;

d. the OC emissions for each type of pultrusion part, in lbs [(b) x (c)];

e. the total OC emissions from all pultrusion parts, in lbs [summation of (d) for all pultrusion parts made];

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

g. the average hourly OC emission rate in lbs/hr (e/f).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(2) The permittee shall maintain monthly records of the following information for emissions units P023, P026, P027, P028, P029, P030, P032, P033, P034, P035, P036, P037, P038, P039, P040, P065, P073, and P074 combined:

a. the volume of each cleanup material dispensed, in gallons;

b. the volume of each cleanup material returned, in gallons;

c. the volume of each evaporated cleanup material, in gallons. This shall be calculated by subtracting the volume of each returned cleanup material from the volume of each dispensed cleanup material [(a) - (b)];

d. the OC content of each cleanup material employed, in lbs/gallon; and

e. the OC emissions from all cleanup materials employed, in lbs [the summation of (c) x (d) for all cleanup material employed).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall maintain annual records of the total OC emissions from all cleanup material employed for the calendar year, in tons [summation of d)(2)e. for all months of the calendar year and divided by 2,000 lbs/ton].

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(4) The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible PE from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

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

If the weekly checks show visible emissions that are representative of normal operations for 12 consecutive operating weeks, the required frequency of visible emissions checks may be reduced to monthly. If a subsequent check indicates abnormal visible emissions, the frequency of emissions checks shall revert to weekly until such time there are 12 consecutive operating weeks of normal visible emissions.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(5) The permittee shall maintain daily records that document any time periods when the dust collector was not in service when the emission units were in operation.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the hourly and/or daily OC emission limitations for this emissions unit were exceeded, and what the hourly and daily OC emissions were for each such day.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall submit semiannual written reports that (a) identify all days during which any visible PE were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Cleveland DAQ by January 31 and July 31 of each year and shall cover the previous 6-month period.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(4) The permittee shall submit annual reports to the Cleveland Division of Air Quality that specify the total OC emissions (i.e., from all the pultrusion parts made on each pultrusion line and from cleanup material employed from all pultrusion lines) for the previous calendar year, in tons. 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 Reports.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(5) The permittee shall notify Cleveland DAQ in writing of any daily records showing that the dust collector was not in service when the emission units were in operation. The notification shall include a copy of such record and shall be sent within 30 days after the event occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(6) 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.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

f) Testing Requirements

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

a. Emissions Limitation:

2.50 lbs of OC emissions/hr, from each pultrusion line (fugitive emissions).

Applicable Compliance Method:

The OC emission limitation was established by the use of emission factors developed by the permittee through laboratory bench scale testing and by the calculation method outlined in d)(1).

Compliance with the OC emission limitation shall be determined by the record keeping requirements specified in d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

b. Emissions Limitation:

40 lbs of OC emissions/day, from each pultrusion line (fugitive emissions).

Applicable Compliance Method:

Compliance with the daily OC emission limitation shall be determined by the record keeping requirements specified by in d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

c. Emissions Limitation:

7.3 tons of OC emissions/yr, from each pultrusion line (fugitive emissions).

Applicable Compliance Method:

The annual OC emission limitation was established by multiplying the daily OC emission limitation from the pultrusion line by 365 days/year, and dividing by 2,000 lbs/ton. Therefore provided compliance is maintained with the daily OC emission limitation, compliance with the annual OC emission shall also be demonstrated.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

d. Emission Limitation:

2.56 tons of OC emissions/yr, from all cleanup material employed for emissions units P023, P026, P027, P028, P029, P030, P032, P033, P034, P035, P036, P037, P038, P039, P040, P065, P073, and P074 combined (fugitive emissions).

Applicable Compliance Method:

Compliance with the annual OC emission limitation shall be determined by the record keeping requirements specified in d)(2) and d)(3).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

e. Emission Limitation:

Visible PE shall not exceed 5% opacity, as a 6-minute average, from the dust collector stack.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

f. Emission Limitation:

0.475 lb of PE/hr, from emissions units P028, P033, P034, P035, and P036 combined (stack emissions).

Applicable Compliance Method:

The hourly PE limitation was established by the following methodology:

HER = (DCFR) x (DCEF) x (TI) x (CONV) = lb PE/hr

where:

HER = hourly emission rate (lb of PE/hr);

DCFR = dust collector flow rate (dscfm);

DCEF = dust collector efficiency (grain/dscf);

TI = time (60 minutes/hr); and

CONV = conversion factor 1 lb/7,000 grains).

If required, the permittee shall demonstrate compliance with the hourly PE limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 - 5, as appropriate.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

g. Emission Limitation:

2.082 tons of PE/yr, from emissions units P028, P033, P034, P035, and P036 combined (stack emissions).

Applicable Compliance Methods:

The annual PE limitation was established by multiplying the hourly PE limitation by the maximum operating schedule of 8,760 hrs/year, and dividing by 2,000 lbs/ton. Therefore, compliance with the annual PE limitation is ensured while compliance with the hourly PE limitation is maintained.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

g) Miscellaneous Requirements

(1) Potential to emit calculations:

particulate emissions:

Controlled outlet emission rate from dust collector:

(22,703 dscf/min) x (0.005 gr/dscf) x (60 min/hr) x (1 lb/7,000 gr) = 0.97 lb PE/hr; and

(0.97 lb PE/hr) x (8,760 hrs/yr) x (1 ton/2,000 lbs) = 4.25 TPY of PE (total for emissions units P014, P023, P026, P027, P028, P029, P030, P032, P033, P035, P036, P037, P038, P039, P040, P065, P073, and P074 that are vented to the central dust collector)

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

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13. Emissions Unit Group -Pultrusion Press Group 3: P026, P027, P029, P030, P032.

EU ID	Operations, Property and/or Equipment Description
P026	Pultrusion press with a bath section, heated die and curing section, and a cut-off saw. Emissions unit controlled by a central dust collector.
P027	Pultrusion press with a bath section, heated die and curing section, and cut-off saw. Emissions unit controlled by a central dust collector.
P029	Pultrusion press with a bath section, heated die and curing section, and a cut-off saw. Emissions unit controlled by a central dust collector.
P030	Pultrusion press with a bath section, heated die and curing section, and a cut-off saw. Emissions unit controlled by a central dust collector.
P032	Pultrusion press with a bath section, heated die and curing section, and a cut-off saw. Emissions unit controlled by a central dust collector.

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) None.

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) (PTI P0110227, issued 11/7/12)	Fugitive organic compound (OC) emissions shall not exceed 2.0 lbs/hr from each pultrusion line. Fugitive OC emissions shall not exceed 40 lbs/day from each pultrusion line. Fugitive OC emissions shall not exceed 7.3 tons/yr from each pultrusion line. Fugitive OC emissions shall not exceed 2.56 tons/yr from all cleanup material employed in P023, P026, P027, P028, P029, P030, P032, P033, P034, P035, P036, P037, P038, P039, P040, P065, P073, and P074 combined. Particulate emissions (PE) shall not exceed 0.268 lb/hr from emissions units P026, P027, P029, P030, and P032

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		combined (stack emissions). PE shall not exceed 1.174 tons/yr from emissions units P026, P027, P029, P030, and P032 combined (stack emissions). Visible PE shall not exceed 5% opacity, as a 6-minute average, from the dust collector stack. The requirements of this rule also include compliance with the requirements of 40 CFR Part 63, Subpart WWWW.
b.	OAC rule 3745-17-07(A)(1)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
d.	OAC rule 3745-21-25	The requirements of this rule are equivalent to the MACT requirements in 40 CFR Part 63, Subpart WWWW.
e.	40 CFR Part 63, Subpart WWWW (40 CFR 63.5780-5935)	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart WWWW (National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production) as specified in Section B.

(2) Additional Terms and Conditions

a. The particulate emissions from the above emission units shall be vented to the central dust collector that controls the particulate emissions from all emissions units at this facility.

b. The emission of organic material from the resin consists of styrene, a photochemically reactive material and hazardous air pollutant (HAP).

c. The OC emission factors used to calculate the OC emissions were established by the permittee. Should more accurate emission factors be developed in the future, the permittee shall use them, provided the emission factors are mutually agreeable between the Ohio EPA, through the Cleveland DAQ, and Glastic Corporation South Euclid Facility.

d. In accordance with paragraph (A)(3) of OAC rule 3745-21-25, upon achieving compliance with this rule, the reinforced plastic composite production operations at this facility are not required to meet the February 18, 2008 revision of OAC rule 3745-21-07.

c) Operational Restrictions

(1) The permittee shall operate the dust collector whenever this emissions unit is in operation. The permittee shall maintain the dust collector filter in accordance with the manufacturer's recommendations, instructions, and/or operating manuals, with any modifications deemed necessary by the permittee.

In the event that the dust collector is not operating in accordance with the manufacturer's recommendations, instructions, or operating manuals, with any modifications deemed necessary by the permittee, the control device shall be expeditiously repaired and returned to these documented operating conditions.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI P0110227]

(2) The permittee shall keep containers that store HAP containing resin materials and cleanup materials closed or covered, except during the addition or removal of materials. Bulk HAP-containing material storage tanks may be vented as necessary for safety.

[Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR Part 63 Subpart WWWW, Table 4, and PTI P0110227]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain and record the following information for each day when the emissions units are in operation:

a. the name and type of each pultrusion part;

b. the emission factor for each type of pultrusion part, in lbs of OC emissions/square foot of wet area/hr;

c. the wet area for each type of pultrusion part, in square feet;

d. the OC emissions for each type of pultrusion part, in lbs [(b) x (c)];

e. the total OC emissions from all pultrusion parts, in lbs [summation of (d) for all pultrusion parts made];

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

g. the average hourly OC emission rate in lbs/hr (e/f).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(2) The permittee shall maintain monthly records of the following information for emissions units P023, P026, P027, P028, P029, P030, P032, P033, P034, P035, P036, P037, P038, P039, P040, P065, P073, and P074 combined:

a. the volume of each cleanup material dispensed, in gallons;

b. the volume of each cleanup material returned, in gallons;

c. the volume of each evaporated cleanup material, in gallons. This shall be calculated by subtracting the volume of each returned cleanup material from the volume of each dispensed cleanup material [(a) - (b)];

d. the OC content of each cleanup material employed, in lbs/gallon; and

e. the OC emissions from all cleanup materials employed, in lbs [the summation of (c) x (d) for all cleanup material employed).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall maintain annual records of the total OC emissions from all cleanup material employed for the calendar year, in tons [summation of d)(2)e. for all months of the calendar year and divided by 2,000 lbs/ton].

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(4) The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible PE from the dust collector stack. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

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

If the weekly checks show visible emissions that are representative of normal operations for 12 consecutive operating weeks, the required frequency of visible emissions checks may be reduced to monthly. If a subsequent check indicates abnormal visible emissions, the frequency of emissions checks shall revert to weekly until such time there are 12 consecutive operating weeks of normal visible emissions.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(5) The permittee shall maintain daily records that document any time periods when the dust collector was not in service when the emission units were in operation.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the hourly and/or daily OC emission limitations for this emissions unit were exceeded, and what the hourly and daily OC emissions were for each such day.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall submit semiannual written reports that (a) identify all days during which any visible PE were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Cleveland DAQ by January 31 and July 31 of each year and shall cover the previous 6-month period.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P00110227]

(4) The permittee shall submit annual reports to the Cleveland Division of Air Quality that specify the total OC emissions (i.e., from all the pultrusion parts made on each pultrusion line and from cleanup material employed from all pultrusion lines) for the previous calendar year, in tons. 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 Reports.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(5) The permittee shall notify Cleveland DAQ in writing of any daily records showing that the dust collector was not in service when the emission units were in operation. The notification shall include a copy of such record and shall be sent within 30 days after the event occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and P00110227]

(6) 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.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

f) Testing Requirements

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

a. Emissions Limitation:

2.0 lbs of OC emissions/hr, from each pultrusion line (fugitive emissions).

Applicable Compliance Method:

The OC emission limitation was established by the use of emission factors developed by the permittee through laboratory bench scale testing and by the calculation method outlined in d)(1).

Compliance with the OC emission limitation shall be determined by the record keeping requirements specified in d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

b. Emissions Limitation:

40 lbs of OC emissions/day, from each pultrusion line (fugitive emissions).

Applicable Compliance Method:

Compliance with the daily OC emission limitation shall be determined by the record keeping requirements specified by in d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

c. Emissions Limitation:

7.3 tons of OC emissions/yr, from each pultrusion line (fugitive emissions).

Applicable Compliance Method:

The annual OC emission limitation was established by multiplying the daily OC emission limitation from the pultrusion line by 365 days/year, and dividing by 2,000 lbs/ton. Therefore, provided compliance is maintained with the daily OC emission limitation, compliance with the annual OC emission shall also be demonstrated.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

d. Emission Limitation:

2.56 tons of OC emissions/yr, from all cleanup material employed for emissions units P023, P026, P027, P028, P029, P030, P032, P033, P034, P035, P036, P037, P038, P039, P040, P065, P073, and P074 combined (fugitive emissions).

Applicable Compliance Method:

Compliance with the annual OC emission limitation shall be determined by the record keeping requirements specified in d)(2) and d(3).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

e. Emission Limitation:

Visible PE shall not exceed 5% opacity, as a 6-minute average, from the dust collector stack.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

f. Emission Limitation:

0.268 lb of PE/hr, from emissions units P026, P027, P029, P030, and P032 combined (stack emissions).

Applicable Compliance Method:

The hourly PE limitation was established by the following methodology:

HER = (DCFR) x (DCEF) x (TI) x (CONV) = lb PE/hr

where:

HER = hourly emission rate (lb of PE/hr);

DCFR = dust collector flow rate (dscfm);

DCEF = dust collector efficiency (grain/dscf);

TI = time (60 minutes/hr); and

CONV = conversion factor 1 lb/7,000 grains).

If required, the permittee shall demonstrate compliance with the hourly PE limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5, as appropriate.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

g. Emission Limitation:

1.174 tons of PE/yr, from emissions units P026, P027, P029, P030, and P032 combined (stack emissions).

Applicable Compliance Methods:

The annual PE limitation was established by multiplying the hourly PE limitation by the maximum operating schedule of 8,760 hrs/year, and dividing by 2,000 lbs/ton. Therefore, compliance with the annual PE limitation is ensured while compliance with the hourly PE limitation is maintained.

[Authority for term: OAC rule 3745-77-07(C)(1) and P0110227]

g) Miscellaneous Requirements

(1) Potential to emit calculations:

particulate emissions:

Controlled outlet emission rate from dust collector:

(22,703 dscf/min) x (0.005 gr/dscf) x (60 min/hr) x (1 lb/7,000 gr) = 0.97 lb PE/hr; and

(0.97 lb PE/hr) x (8,760 hrs/yr) x (1 ton/2,000 lbs) = 4.25 TPY of PE (total for emissions units P014, P023, P026, P027, P028, P029, P030, P032, P033, P035, P036, P037, P038, P039, P040, P065, P073, and P074 that are vented to the central dust collector).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

14. Emissions Unit Group -Pultrusion Press Group 4: P023,P037,

EU ID	Operations, Property and/or Equipment Description
P023	Pultrusion press with a bath section, heated die and curing section, and a cut-off saw. Emissions unit controlled by a central dust collector.
P037	Pultrusion press with a bath section, heated die and curing section, and a cut-off saw. Emissions unit controlled by a central dust collector.

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) None.

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) (PTI P0110227, issued 11/7/12)	Fugitive organic compound (OC) emissions shall not exceed 3.0 lbs /hr from each pultrusion line. Fugitive OC emissions shall not exceed 40 lbs/day from each pultrusion line. Fugitive OC emissions shall not exceed 7.3 tons/yr from each pultrusion line. Fugitive OC emissions shall not exceed 2.56 tons /yr from all cleanup material employed in P023, P026, P027, P028, P029, P030, P032, P033, P034, P035, P036, P037, P038, P039, P040, P065, P073, and P074 combined. Particulate emissions (PE) shall not exceed 0.354 lb /hr from emissions units P023, P037, P038, P039, and P040 combined (stack emissions). PE shall not exceed 1.550 tons/yr from emissions units P023, P037, P038, P039, and P040 combined (stack emissions). Visible PE shall not exceed 5% opacity, as a 6-minute average, from the dust

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		collector stack. The requirements of this rule also include compliance with the requirements of 40 CFR Part 63, Subpart WWWW.
b.	OAC rule 3745-17-07(A)(1)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
d.	OAC rule 3745-21-25	The requirements of this rule are equivalent to the MACT requirements in 40 CFR Part 63, Subpart WWWW.
e.	40 CFR Part 63, Subpart WWWW (40 CFR 63.5780-5935)	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart WWWW (National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production) as specified in Section B.

(2) Additional Terms and Conditions

a. The particulate emissions from the above emission units shall be vented to the central dust collector dust collector that controls the particulate emissions from all of the emission units at this facility.

b. The emission of organic material from the resin consists of styrene, a photochemically reactive material and hazardous air pollutant (HAP).

c. The OC emission factors used to calculate the OC emissions were established by the permittee. Should more accurate emission factors be developed in the future, the permittee shall use them, provided the emission factors are mutually agreeable between the Ohio EPA, through the Cleveland DAQ, and Glastic Corporation South Euclid Facility.

d. In accordance with paragraph (A)(3) of OAC rule 3745-21-25, upon achieving compliance with this rule, the reinforced plastic composite production operations at this facility are not required to meet the February 18, 2008 revision of OAC rule 3745-21-07.

c) Operational Restrictions

(1) The permittee shall operate the dust collector whenever this emissions unit is in operation. The permittee shall maintain the dust collector filter in accordance with the manufacturer's recommendations, instructions, and/or operating manuals, with any modifications deemed necessary by the permittee.

In the event that the dust collector is not operating in accordance with the manufacturer's recommendations, instructions, or operating manuals, with any modifications deemed necessary by the permittee, the control device shall be expeditiously repaired and returned to these documented operating conditions.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI P0110227]

(2) The permittee shall keep containers that store HAP containing resin materials and cleanup materials closed or covered, except during the addition or removal of materials. Bulk HAP-containing material storage tanks may be vented as necessary for safety.

[Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR Part 63 Subpart WWWW, Table 4, and PTI P0110227]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain and record the following information for each day when the emissions units are in operation:

a. the name and type of each pultrusion part;

b. the emission factor for each type of pultrusion part, in lbs of OC emissions/square foot of wet area/hr;

c. the wet area for each type of pultrusion part, in square feet;

d. the OC emissions for each type of pultrusion part, in lbs [(b) x (c)];

e. the total OC emissions from all pultrusion parts, in lbs [summation of (d) for all pultrusion parts made];

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

g. the average hourly OC emission rate in lbs/hr (e/f).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(2) The permittee shall maintain monthly records of the following information for emissions units P023, P026, P027, P028, P029, P030, P032, P033, P034, P035, P036, P037, P038, P039, P040, P065, P073, and P074 combined:

a. the volume of each cleanup material dispensed, in gallons;

b. the volume of each cleanup material returned, in gallons;

c. the volume of each evaporated cleanup material, in gallons. This shall be calculated by subtracting the volume of each returned cleanup material from the volume of each dispensed cleanup material [(a) - (b)];

d. the OC content of each cleanup material employed, in lbs/gallon; and

e. the OC emissions from all cleanup materials employed, in lbs [the summation of (c) x (d) for all cleanup material employed).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall maintain annual records of the total OC emissions from all cleanup material employed for the calendar year, in tons [summation of d)(2)e. for all months of the calendar year and divided by 2,000 lbs/ton].

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(4) The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible PE from the dust collector stack. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

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

If the weekly checks show visible emissions that are representative of normal operations for 12 consecutive operating weeks, the required frequency of visible emissions checks may be reduced to monthly. If a subsequent check indicates abnormal visible emissions, the frequency of emissions checks shall revert to weekly until such time there are 12 consecutive operating weeks of normal visible emissions.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(5) The permittee shall maintain daily records that document any time periods when the dust collector was not in service when the emission units were in operation.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the hourly and/or daily OC emission limitations for this emissions unit were exceeded, and what the hourly and daily OC emissions were for each such day.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall submit semiannual written reports that (a) identify all days during which any visible PE were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Cleveland DAQ by January 31 and July 31 of each year and shall cover the previous 6-month period.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(4) The permittee shall submit annual reports to the Cleveland Division of Air Quality that specify the total OC emissions (i.e., from all the pultrusion parts made on each pultrusion line and from cleanup material employed from all pultrusion lines) for the previous calendar year, in tons. 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 Reports.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(5) The permittee shall notify Cleveland DAQ in writing of any daily records showing that the dust collector was not in service when the emission units were in operation. The notification shall include a copy of such record and shall be sent within 30 days after the event occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(6) 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.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

f) Testing Requirements

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

a. Emissions Limitation:

3.0 lbs of OC emissions/hr, from each pultrusion line (fugitive emissions).

Applicable Compliance Method:

The OC emission limitation was established by the use of emission factors developed by the permittee through laboratory bench scale testing and by the calculation method outlined in d)(1).

Compliance with the OC emission limitation shall be determined by the record keeping requirements specified in d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

b. Emissions Limitation:

40 lbs of OC emissions/day, from each pultrusion line (fugitive emissions).

Applicable Compliance Method:

Compliance with the daily OC emission limitation shall be determined by the record keeping requirements specified by in d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

c. Emissions Limitation:

7.3 tons of OC emissions/yr, from each pultrusion line (fugitive emissions).

Applicable Compliance Method:

The annual OC emission limitation was established by multiplying the daily OC emission limitation from the pultrusion line by 365 days/year, and dividing by 2,000 lbs/ton. Therefore provided compliance is maintained with the daily OC emission limitation, compliance with the annual OC emission shall also be demonstrated.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

d. Emission Limitation:

2.56 tons of OC emissions/yr, from all cleanup material employed for emissions units P023, P026, P027, P028, P029, P030, P032, P033, P034, P035, P036, P037, P038, P039, P040, P065, P073, and P074 combined (fugitive emissions).

Applicable Compliance Method:

Compliance with the annual OC emission limitation shall be determined by the record keeping requirements specified in d)(2) and d)(3).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

e. Emission Limitation:

Visible PE shall not exceed 5% opacity, as a 6-minute average, from the dust collector stack.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

f. Emission Limitation:

0.354 lb of PE/hr, from emissions units P023, P037, P038, P039, and P040 combined (stack emissions).

Applicable Compliance Method:

The hourly PE limitation was established by the following methodology:

HER = (DCFR) x (DCEF) x (TI) x (CONV) = lb PE/hr

where:

HER = hourly emission rate (lb of PE/hr);

DCFR = dust collector flow rate (dscfm);

DCEF = dust collector efficiency (grain/dscf);

TI = time (60 minutes/hr); and

CONV = conversion factor 1 lb/7,000 grains).

If required, the permittee shall demonstrate compliance with the hourly PE limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5, as appropriate.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

g. Emission Limitation:

1.550 tons of PE/yr, from emissions units P023, P037, P038, P039, and P040 combined (stack emissions).

Applicable Compliance Methods:

The annual PE limitation was established by multiplying the hourly PE limitation by the maximum operating schedule of 8,760 hrs/year, and dividing by 2,000 lbs/ton. Therefore, compliance with the annual PE limitation is ensured while compliance with the hourly PE limitation is maintained.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

g) Miscellaneous Requirements

(1) Potential to emit calculations:

particulate emissions:

Controlled outlet emission rate from dust collector:

(22,703 dscf/min) x (0.005 gr/dscf) x (60 min/hr) x (1 lb/7,000 gr) = 0.97 lb PE/hr; and

(0.97 lb PE/hr) x (8,760 hrs/yr) x (1 ton/2,000 lbs) = 4.25 TPY of PE (total for emissions units P014, P023, P026, P027, P028, P029, P030, P032, P033, P035, P036, P037, P038, P039, P040, P065, P073, and P074 that are vented to the central dust collector)

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

15. Emissions Unit Group -Pultrusion Press Group 5: P035,P036,

EU ID	Operations, Property and/or Equipment Description
P035	Pultrusion press with a bath section, heated die and curing section, and a cut-off saw. Emissions controlled by a central dust collector.
P036	Pultrusion press with a bath section, heated die and curing section, and a cut-off saw. Emissions unit controlled by a central dust collector.

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) None.

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) (PTI P0110227 issued 11/7/12)	Fugitive organic compound (OC) emissions shall not exceed 3.0 lbs/hr from each pultrusion line. Fugitive OC emissions shall not exceed 40 lbs/day from each pultrusion line. . Fugitive OC emissions shall not exceed 7.3 tons/yr from each pultrusion line. Fugitive OC emissions shall not exceed 2.56 tons /yr from all cleanup material employed in P023, P026, P027, P028, P029, P030, P032, P033, P034, P035, P036, P037, P038, P039, P040, P065, P073, and P074 combined. Particulate emissions (PE) shall not exceed 0.475 lb/hr from emissions units P028, P033, P034, P035, and P036 combined (stack emissions). PE shall not exceed 2.082 tons /yr from emissions units P028, P033, P034, P035, and P036 combined (stack emissions). Visible PE shall not exceed 5% opacity, as a 6-minute average, from the dust

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		collector stack. The requirements of this rule also include compliance with the requirements of 40 CFR Part 63, Subpart WWWW.
b..	OAC rule 3745-17-07(A)(1)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
d.	OAC rule 3745-21-25	The requirements of this rule are equivalent to the MACT requirements in 40 CFR Part 63, Subpart WWWW.
e.	40 CFR Part 63, Subpart WWWW (40 CFR 63.5780-5935)	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart WWWW (National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production) as specified in Section B.

(2) Additional Terms and Conditions

a. The particulate emissions from the above emission units shall be vented to the central dust collector that controls the particulate emissions from all of the emissions units at this facility.

b. The emission of organic material from the resin consists of styrene, a photchemically reactive materials and hazardous air pollutant (HAP).

c. The OC emission factors used to calculate the OC emissions were established by the permittee. Should more accurate emission factors be developed in the future, the permittee shall use them, provided the emission factors are mutually agreeable between the Ohio EPA, through the Cleveland DAQ, and Glastic Corporation South Euclid Facility.

d. In accordance with paragraph (A)(3) of OAC rule 3745-21-25, upon achieving compliance with this rule, the reinforced plastic composite production operations at this facility are not required to meet the February 18, 2008 revision of OAC rule 3745-21-07.

c) Operational Restrictions

(1) The permittee shall operate the dust collector whenever the emission units are in operation. The permittee shall maintain the dust collector filter in accordance with the manufacturer's recommendations, instructions, and/or operating manuals, with any modifications deemed necessary by the permittee.

In the event that the dust collector is not operating in accordance with the manufacturer's recommendations, instructions, or operating manuals, with any modifications deemed necessary by the permittee, the control device shall be expeditiously repaired and returned to these documented operating conditions.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI P0110227]

(2) The permittee shall keep containers that store HAP containing resin materials and cleanup materials closed or covered, except during the addition or removal of materials. Bulk HAP-containing material storage tanks may be vented as necessary for safety.

[Authority for term: OAC rule 3745-77-07(A))1), 40 CFR Part 63, Subpart WWWW, Table 4, and PTI P0110227]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain and record the following information for each day when the emissions units are in operation:

a. the name and type of each pultrusion part;

b. the emission factor for each type of pultrusion part, in lbs of OC emissions/square foot of wet area/hr;

c. the wet area for each type of pultrusion part, in square feet;

d. the OC emissions for each type of pultrusion part, in lbs [(b) x (c)];

e. the total OC emissions from all pultrusion parts, in lbs [summation of (d) for all pultrusion parts made];

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

g. the average hourly OC emission rate in lbs/hr (e/f).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(2) The permittee shall maintain monthly records of the following information for emissions units P023, P026, P027, P028, P029, P030, P032, P033, P034, P035, P036, P037, P038, P039, P040, P065, P073, and P074 combined:

a. the volume of each cleanup material dispensed, in gallons;

b. the volume of each cleanup material returned, in gallons;

c. the volume of each evaporated cleanup material, in gallons. This shall be calculated by subtracting the volume of each returned cleanup material from the volume of each dispensed cleanup material [(a) - (b)];

d. the OC content of each cleanup material employed, in lbs/gallon; and

e. the OC emissions from all cleanup materials employed, in lbs [the summation of (c) x (d) for all cleanup material employed).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall maintain annual records of the total OC emissions from all cleanup material employed for the calendar year, in tons [summation of d)(2)e. for all months of the calendar year and divided by 2,000 lbs/ton].

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(4) The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible PE from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

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

If the weekly checks show visible emissions that are representative of normal operations for 12 consecutive operating weeks, the required frequency of visible emissions checks may be reduced to monthly. If a subsequent check indicates abnormal visible emissions, the frequency of emissions checks shall revert to weekly until such time there are 12 consecutive operating weeks of normal visible emissions.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(5) The permittee shall maintain daily records that document any time periods when the dust collector was not in service when the emission units were in operation.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the hourly and/or daily OC emission limitations for this emissions unit were exceeded, and what the hourly and daily OC emissions were for each such day.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(3) The permittee shall submit semiannual written reports that (a) identify all days during which any visible PE were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Cleveland DAQ by January 31 and July 31 of each year and shall cover the previous 6-month period.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(4) The permittee shall submit annual reports to the Cleveland Division of Air Quality that specify the total OC emissions (i.e., from all the pultrusion parts made on each pultrusion line and from cleanup material employed from all pultrusion lines) for the previous calendar year, in tons. 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 Reports.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(5) The permittee shall notify Cleveland DAQ in writing of any daily records showing that the dust collector was not in service when the emission units were in operation. The notification shall include a copy of such record and shall be sent within 30 days after the event occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

(6) 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.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

f) Testing Requirements

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

a. Emissions Limitation:

3.0 lbs of OC emissions/hr, from each pultrusion line (fugitive emissions).

Applicable Compliance Method:

The OC emission limitation was established by the use of emission factors developed by the permittee through laboratory bench scale testing and by the calculation method outlined in d)(1).

Compliance with the OC emission limitation shall be determined by the record keeping requirements specified in d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

b. Emissions Limitation:

40 lbs of OC emissions/day, from each pultrusion line (fugitive emissions).

Applicable Compliance Method:

Compliance with the daily OC emission limitation shall be determined by the record keeping requirements specified by in d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

c. Emissions Limitation:

7.3 tons of OC emissions/yr, from each pultrusion line (fugitive emissions).

Applicable Compliance Method:

The annual OC emission limitation was established by multiplying the daily OC emission limitation from the pultrusion line by 365 days/year, and dividing by 2,000 lbs/ton. Therefore provided compliance is maintained with the daily OC emission limitation, compliance with the annual OC emission shall also be demonstrated.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

d. Emission Limitation:

2.56 tons of OC emissions/yr, from all cleanup material employed for emissions units P023, P026, P027, P028, P029, P030, P032, P033, P034, P035, P036, P037, P038, P039, P040, P065, P073, and P074 combined (fugitive emissions).

Applicable Compliance Method:

Compliance with the annual OC emission limitation shall be determined by the record keeping requirements specified in d)(2) and d)(3).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

e. Emission Limitation:

Visible PE shall not exceed 5% opacity, as a 6-minute average, from the dust collector stack.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

f. Emission Limitation:

0.475 lb of PE/hr, from emissions units P028, P033, P034, P035, and P036 combined (stack emissions).

Applicable Compliance Method:

The hourly PE limitation was established by the following methodology:

HER = (DCFR) x (DCEF) x (TI) x (CONV) = lb PE/hr

where:

HER = hourly emission rate (lb of PE/hr);

DCFR = dust collector flow rate (dscfm);

DCEF = dust collector efficiency (grain/dscf);

TI = time (60 minutes/hr); and

CONV = conversion factor 1 lb/7,000 grains).

If required, the permittee shall demonstrate compliance with the hourly PE limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5, as appropriate.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

g. Emission Limitation:

2.082 tons of PE/yr, from emissions units P028, P033, P034, P035, and P036 combined (stack emissions).

Applicable Compliance Methods:

The annual PE limitation was established by multiplying the hourly PE limitation by the maximum operating schedule of 8,760 hrs/year, and dividing by 2,000 lbs/ton. Therefore, compliance with the annual PE limitation is ensured while compliance with the hourly PE limitation is maintained.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

g) Miscellaneous Requirements

(1) Potential to emit calculations:

particulate emissions:

Controlled outlet emission rate from dust collector:

(22,703 dscf/min) x (0.005 gr/dscf) x (60 min/hr) x (1 lb/7,000 gr) = 0.97 lb PE/hr; and

(0.97 lb PE/hr) x (8,760 hrs/yr) x (1 ton/2,000 lbs) = 4.25 TPY of PE (total for emissions units P014, P023, P026, P027, P028, P029, P030, P032, P033, P035, P036, P037, P038, P039, P040, P065, P073, and P074 that are vented to the central dust collector)

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0110227]

16. Emissions Unit Group -Pultrusion Presses: P073, P074.

EU ID	Operations, Property and/or Equipment Description
P073	Pultrusion press with a bath section, heated die and curing section, and a cut-off saw. Emissions unit controlled by a central dust collector.
P074	Pultrusion press with a bath section, heated die and curing section, and a cut-off saw. Emissions unit controlled by a central dust collector.

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) None.

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.	ORC 3704.03(F)	Fugitive volatile organic compound (VOC) emissions shall not exceed 3.55 lbs/hr and 15.55 tons/year from each pultrusion line. The requirements of this rule also include compliance with the requirements of 40 CFR Part 63, Subpart WWWW.
b.	OAC rule 3745-31-05(F) (PTI P0111969, issued 11/21/2012)	The total particulate emissions from the central dust collector shall not exceed 0.97 lb/hr and 4.25 tons/year. Fugitive OC emissions from cleanup shall not exceed 2.56 tons/year from emissions units P023, P026, P027, P028, P029, P030, P032, P033, P035, P036, P037, P038, P039, P040, P065, P073, and P074. See b)(2)a. below.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
c.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the dust collector stack shall not exceed 20% opacity as a 6-minute average, except as provided by rule.
d.	OAC rule 3745-17-11(B)	The particulate emission limitation specified by this rule is less stringent than the particulate emission limitation established by OAC rule 3745-31-05(F).
e.	OAC rule 3745-21-25	The requirements of this rule are equivalent to the MACT requirements in 40 CFR Part 63, Subpart WWWW.
f.	40 CFR Part 63, Subpart WWWW	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart WWWW (National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production) as specified in Section B.

(2) Additional Terms and Conditions

a. The particulate emissions from the emission units shall be vented to the central dust collector that controls the particulate emissions from all of the emissions units at this facility.

b. The VOC emission factors used to calculate the VOC emissions were established by the permittee. Should more accurate emission factors be developed in the future, the permittee shall use them, provided the emission factors are mutually agreeable between the Ohio EPA, the Cleveland DAQ, and Glastic Corporation, South Euclid Facility.

c. The emission of organic material from the pultrusion lines consist of styrene, a photochemically reactive material and hazardous air pollutant (HAP).

c) Operational Restrictions

(1) The permittee shall operate the dust collector whenever the emissions units are in operation. The permittee shall maintain the dust collector in accordance with the manufacturer's recommendations, instructions, and/or operating manuals, with any modifications deemed necessary by the permittee.

In the event that the dust collector is not operating in accordance with the manufacturer's recommendations, instructions, or operating manuals, with any modifications deemed necessary by the permittee, the control device shall be expeditiously repaired and returned to these documented operating conditions.

[Authority for term: OAC rule 3745-77-07(A)(1) and PTI P0111969]

(2) The permittee shall keep containers that store HAP-containing materials and cleanup materials closed or covered, except during the addition or removal of materials. Bulk HAP-containing material storage tanks may be vented as necessary for safety.

[Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR Part 63 Subpart WWWW Table 4, and PTI P0111969].

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain and record the following information each day when the emissions units are in operation:

a. the name of each type of pultrusion part;

b. the emission factor for each type of pultrusion part, in lbs of VOC emissions/square foot of wet area/hr;

c. the wet area for each type of pultrusion part, in square feet;

d. the VOC emissions for each type of pultrusion part, in lbs [(b) x (c)]

e. the total VOC emissions from all pultrusion parts in lbs [summation of (d) for all pultrusion parts made];

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

g. the average hourly VOC emission rate, in lbs/hr (e/f).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111969]

(2) The permittee shall maintain monthly records of the following information for the cleanup material usage for emission units P023, P026, P027, P028, P029, P030, P032, P033, P035, P036, P037, P038, P039, P040, P065, P073, and P074:

a. the volume of each cleanup material dispensed, in gallons;

b. the volume of each cleanup material returned, in gallons;

c. the volume of each evaporated cleanup material, in gallons. This shall be calculated by subtracting the volume of each returned cleanup materials from the volume of each dispensed cleanup material [(a) – (b)];

d. the OC content for each cleanup material employed, in lbs/gallon; and

e. the OC emissions from all cleanup materials employed, in lbs [the summation of (c) x (d) for all cleanup material employed).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111969]

(3) The permittee shall maintain annual records of the total OC emissions from all cleanup material employed for the calendar year, in tons [summation of d)(2)e. for all months of the calendar year, divided by 2,000 lbs/ton].

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111969]

(4) The permittee shall perform weekly checks, when the emissions units are in operation and when the weather conditions allow, for any visible PE from the dust collector stack. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

d. the total duration of any visible emission incident; and

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

If the weekly checks show visible emissions that are representative of normal operation for 12 consecutive operating weeks, the required frequency of visible emissions checks may be reduced to monthly. If a subsequent check indicates abnormal visible emissions, the frequency of emissions checks shall revert to weekly until such time there are 12 consecutive operating weeks of normal visible emissions.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111969]

(5) The permittee shall maintain daily records that document any time period when the dust collector was not in service when the emission units were in operation.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111969]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the hourly VOC emission limitations for the emissions units was exceeded, and what the hourly VOC emissions were for each such day.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111969]

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

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111969]

(3) The permittee shall notify Cleveland DAQ in writing of any daily records showing that the dust collector was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent within 30 days after the event occurs.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111969]

(4) The permittee shall submit semiannual written reports that (a) identify all days during which any visible PE were observed from the dust collector stack and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Cleveland DAQ by January 31 and July 31 of each year and shall cover the previous 6-month period.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111969]

(5) The permittee shall submit annual reports to the Cleveland DAQ that specify the total VOC emissions (i.e., from all the pultrusion parts made by each unit and the cleanup material employed from all pultrusion lines) for the previous calendar year, in tons. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Reports.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111969]

(6) 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.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111969]

f) Testing Requirements

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

a. <u>Emission Limitation</u>:

Fugitive VOC emissions shall not exceed 3.55 lbs/hr from each emission unit.

<u>Applicable Compliance Method</u>:

The VOC emission limitation was established by the use of emission factors developed by the permittee through laboratory bench scale testing and by the calculation method outlined in d)(1).

Compliance with the VOC emission limitation shall be determined by the record keeping requirements specified in d)(1).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111969]

b. Emission Limitation:

Fugitive VOC emissions shall not exceed 15.55 tons/year from each emission unit.

Applicable Compliance Method:

The annual VOC emission limitation was established by multiplying the hourly VOC emission limitation from each pultrusion line by 8,760 hours of operation per year, and dividing by 2,000 lbs/ton. Therefore, provided compliance is maintained with the hourly VOC emission limitation, compliance with the annual VOC emission shall also be demonstrated.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111969]

c. Emission Limitation:

Fugitive OC emissions from cleanup shall not exceed 2.56 tons/year from emission units P023, P026, P027, P028, P029, P030, P032, P033, P035, P036, P037, P038, P039, P040, P065, P073, and P074.

Applicable Compliance Method:

Compliance shall be determined through the recordkeeping requirements established in d)(2) and d(3).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111969]

d. Emission Limitation:

The total PE from the central dust collector shall not exceed 0.97 lbs/hr.

Applicable Compliance Method:

The hourly PE limitation was established by the following methodology:

HER = (DCFR) x (DCEF) x (TI) x (CONV) = lb PE/hr

where:

HER = hourly emission rate (lb of PE/hr);

DCFR = dust collector flow rate (dscfm);

DCEF = dust collector efficiency (grain/dscf);

TI = time (60 minutes/hr); and

CONV = conversion factor 1 lb/7,000 grains).

If required, the permittee shall demonstrate compliance with the hourly PE limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5, and the procedures specified in OAC rule 3745-17-03(B)(1).

{Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111969]

e. Emission Limitation:

The total PE from the central dust collector shall not exceed 4.25 tons/year.

Applicable Compliance Method:

The annual PE emission limitation was established by multiplying the hourly PE emission limitation from each pultrusion line by 8,760 hours of operation per year, and dividing by 2,000 lbs/ton. Therefore, provided compliance is maintained with the hourly PE emission limitation, compliance with the annual PE emission shall also be demonstrated.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111969]

f. Emission Limitation:

Visible PE from the dust collector stack shall not exceed 20% opacity as a six-minute average.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111969]

g) Miscellaneous Requirements

(1) Potential to emit calculations:

Particulate emissions:

controlled outlet emission rate from the central dust collector:

(22,703 dscf/min) x (0.005 gr/dscf) x (60 min/hr) x (1 lb/7,000 gr) = 0.97 lb PE/hr; and

(0.97 lb PE/hr) x (8,760 hrs/yr) x (1 ton/2,000 lbs) = 4.25 TPY of PE (total for emissions units P014, P023, P026, P027, P028, P029, P030, P032, P033, P035, P036, P037, P038, P039, P040, P065, P073, and P074 that are vented to the central dust collector).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0111969]