Ohio Environmental Protection Agency
John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

6/6/2012

Certified Mail

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

Mr. Pat Davin
CW Ohio INC.
C W Ohio Inc,
1209 Maple Ave.
Conneaut, OH 44030-2120

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL
Facility ID: 0204020069
Permit Number: P0110175
Permit Type: Administrative Modification
County: Ashtabula

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install (PTI) which will allow you to install or modify the described emissions unit(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, we urge you to read it carefully.Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

The issuance of this PTI is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of $70.00, made payable to “Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General’s Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

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

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. If you have any questions regarding this permit, please contact the Ohio EPA DAPC, Northeast District Office. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page,www.epa.ohio.gov/dapc by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

Michael W. Ahern

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

Cc: U.S. EPA
Ohio EPA-NEDO; Pennsylvania; Canada

Ohio | Environmental Protection Agency

FINAL

Division of Air Pollution Control
Permit-to-Install
for
CW Ohio INC.

Facility ID:	0204020069
Permit Number:	P0110175
Permit Type:	Administrative Modification
Issued:	6/6/2012
Effective:	6/6/2012

Ohio Environmental Protection Agency

Division of Air Pollution Control
Permit-to-Install
for
CW Ohio INC.

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Authorization

Facility ID: 0204020069
Facility Description: Manufacturer of wood and fiberglass building products
Application Number(s): M0001732
Permit Number: P0110175
Permit Description: Agency initiated admin mod to address changes w/regard to OAC rule 3745-21-07(G)(2)
Permit Type: Administrative Modification
Permit Fee: $0.00
Issue Date: 6/6/2012
Effective Date: 6/6/2012

This document constitutes issuance to:

CW Ohio INC.
1209 Maple Ave.
Conneaut, OH 44030-2120

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

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

Ohio EPA DAPC, Northeast District Office
2110 East Aurora Road
Twinsburg, OH 44087
(330)425-9171

The above named entity is hereby granted a Permit-to-Install for the emissions unit(s) listed in this section pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Scott J. Nally
Director

Authorization (continued)

Permit Number: P0110175
Permit Description: Agency initiated admin mod to address changes w/regard to OAC rule 3745-21-07(G)(2)

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

Group Name: Pultrusion units

Emissions Unit ID:	**P041**
Company Equipment ID:	Pultruder 1
Superseded Permit Number:	P0107595
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P042**
Company Equipment ID:	Pultruder 2
Superseded Permit Number:	P0107595
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P043**
Company Equipment ID:	Pultruder 3
Superseded Permit Number:	P0107595
General Permit Category andType:	Not Applicable

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

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

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

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

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

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

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

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

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

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

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

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

2. Severability Clause

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

b) All terms and conditions designated in parts B and C of this permit are federally enforceable as a practical matter, if they are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. Terms and conditions in parts B and C of this permit shall not be federally enforceable and shall be enforceable under State law only, only if specifically identified in this permit as such.

3. General Requirements

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

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

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

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

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

4. Monitoring and Related Record Keeping and Reporting Requirements

a) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

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

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

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

(4) The analytical techniques or methods used.

(5) The results of such analyses.

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

b) Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

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

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

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

(3) Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, andreportingrequirements contained in this permit shall be submitted (i.e., postmarked) to the Ohio EPA DAPC, Northeast District Office every six months, by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

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

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

5. Scheduled Maintenance/Malfunction Reporting

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

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

6. Compliance Requirements

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

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

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

(1) At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

(2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.

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

(4) As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

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

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

(2) An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

7. Best Available Technology

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

8. Air Pollution Nuisance

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

9. Reporting Requirements

The permittee shall submit required reports in the following manner:

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

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

been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the Ohio EPA DAPC, Northeast District Office. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

10. Applicability

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

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

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

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

c) The permittee may notify Ohio EPA of any emissions unit that is permanently shut down (i.e., the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31) by submitting a certification from the authorized official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the authorized official that the emissions unit was permanently shut down. At a minimum, notification of permanent shut down shall be made or confirmed by marking the affected emissions unit(s) as “permanently shut down” in Ohio EPA’s “Air Services” along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

d) The provisions of this permit shall cease to be enforceable for each affected emissions unit after the date on which an emissions unit is permanently shut down (i.e., emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31). All records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law. All reports required by this permit must be submitted for any period an affected emissions unit operated prior to permanent shut down. At a minimum, the permit requirements must be evaluated as part of the reporting requirements identified in this permit covering the last period the emissions unit operated.

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

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

12. Permit-To-Operate Application

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

13. Construction Compliance Certification

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

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

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

14. Public Disclosure

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

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

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly (i.e., postmarked), by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

16. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable permit-to-install fees within 30 days after the issuance of any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

17. Permit Transfers

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

18. Risk Management Plans

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

19. Title IV Provisions

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

B. Facility-Wide Terms and Conditions

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

   a) None.

C. Emissions Unit Terms and Conditions

1. Emissions Unit Group -Pultrusion units: P041,P042,P043,

EU ID	Operations, Property and/or Equipment Description
P041	Pultrusion unit 1
P042	Pultrusion unit 2
P043	Pultrusion unit 3

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.	40 CFR Part 63, Subpart WWWW (40 CFR 63.5780 – 5935)	Reduce total organic hazardous air pollutants (HAP) emissions by at least 60 weight percent as specified in 40 CFR 63.5805 and Table 3. See c)(1).
b.	40 CFR Part 63.1 – 15 (40 CFR 63.5925)	Table 15 to Subpart WWWW – Applicability of General Provisions, Subpart A.
c.	OAC rule 3745-17-11(B)	The emission limitation required by this applicable rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(E).
d.	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as 6-minute average, except as specified by the rule.
e.	OAC rule 3745-31-05(E), as effective 12/01/06 PTI #P0110175	Particulate emissions (PE) shall be less than 10.0 tons/yr. Total organic HAP/VOC shall be less than 10.0 tons/yr. See b)(2)a and b)(2)b.

f.	OAC rule 3745-31-05(A)(3), as effective 11/30/01 PTI # P0110175	Organic compound (OC) emissions shall not exceed 1,216 lbs/month and 7.3 ton/year. See b)(2)c.
g.	OAC rule 3745-21-25(D)	Reduce volatile organic compounds (VOC) emissions by at least 60 weight percent. See c)(1).

(2) Additional Terms and Conditions

a. Permit to Install P0110175 for this air contaminant source takes into account the use of a fabric filter system, whenever this air contaminant source is in operation, with a minimum control efficiency of 90%, by weight for PE, as a voluntary restriction as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3).

b. Permit to Install P0110175 for this air contaminant source takes into account the use of a wet area enclosure and resin drip collection system that meet the criteria in c)(1), whenever this air contaminant source is in operation, with a minimum control efficiency of 60%, by weight for total organic HAP/VOCs, as a voluntary restriction as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3).

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

c) Operational Restrictions

(1) To demonstrate compliance with emissions limits in b)(1)a and b)(1)g for reducing emissions by at least 60 percent by weight, the permittee shall design, install and operate a wet area enclosure and resin drip collection system on each pultrusion machine that meet the criteria below:

The criteria for each pultrusion machine, with no radio frequency pre-mold heat unit, no direct die injection or preform injection system, are as follows:

a. The enclosure must cover and enclose the open resin bath and the forming area in which reinforcements are pre-wet or wet-out and moving toward the die. The surfaces of the enclosure must be closed except for openings to allow material to enter and exit the enclosure.

b. The enclosure must extend from the beginning of the resin bath to within 0.5 inches or less of the die entrance.

c. The total open area of the enclosure must not exceed 2 (two) times the cross sectional area of the puller window and must comply with the following:

   i. All areas which are open need to be included in the total open area calculation with the exception of access panels, door and/or hatches that are part of the enclosure.

   ii. The area which is displaced by entering reinforcement or exiting product is considered open.

   iii. Areas covered by brush covers are considered closed.

d. Open areas for level control devices, monitoring devices, agitation shafts, and fill hoses must have no more than 1.0 inch clearance.

e. The access panels, doors, and/or hatches that are part of the enclosure must close tightly. Damaged access panels, doors, and/or hatches that do not close tightly must be replaced.

f. The enclosure may not be removed from the pultrusion line, and access panels, doors, and/or hatches that are part of the enclosure must remain closed whenever resin is in the bath, except for the following periods of time in c)(1)g of this section.

g. The maximum length of time the enclosure may be removed from the pultrusion line or the access panels, doors, and/or hatches and may be open is:

   i. 30 minutes per any 8 hour shift;

   ii. 45 minutes per any 12 hour shift; or

   iii. 90 minutes per any day, if the machine operates 24 hours in a day.

   The time restrictions do not apply if the open doors or panels do not cause the limit of two times the puller window area to be exceeded.

   The facility may average the times that access panels, doors, and/or hatches are open across all operating lines. In that case the average must not exceed the times shown above. All lines included in the average must have operated the entire time period being averaged.

h. No fans, blowers, and/or air lines may be allowed within the enclosure. The enclosure must not be ventilated.

d) Monitoring and/or Recordkeeping Requirements

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

63.5895(c)	records of resin and gel coat use, organic HAP content and operation where resin is used
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 emissions factors or average organic HAP contents for operations and application methods as specified under 63.5810
63.5920(a) – (d)	record keeping format and retention requirements

(2) The permittee shall comply with the applicable monitoring and record keeping requirements under OAC rule 3745-21-25, including the following sections:

OAC rule 3745-21-25(O)(2)(b)	records of resin and gel coat use, monomer content and operation where it was used
OAC rule 3745-21-25(P)(1)(a)	a copy of each applicability notification and compliance status report submitted to comply with OAC rule 3745-21-25, including all documentation supporting any applicability or compliance status
OAC rule 3745-21-25(P)(1)(c)	for operations listed in tables 2, 3, and 4 of OAC rule 3745-21-25 all data, assumptions, and calculations used to determine monomer contents and VOC emissions factors
OAC rule 3745-21-25(P)(4)	record keeping retention requirements

(3) The permittee shall maintain monthly records for each emissions unit:

a. the company identification for each resin applied;

b. pounds of each resin applied;

c. the weight percent of available organic HAP (e.g., styrene and methyl methacrylate) for each resin applied;

d. the total organic HAP/VOC emission rate for all resins applied, as calculated by the following equation, in tons/yr:

$$\text{Organic HAP/VOC (lb/month)} = (1 - 0.60) \text{ x } (\frac{1}{2000}) \text{ x } \sum_{i}^{n} \text{HAPi x EF}$$

where:
HAPi = pounds per year of available organic HAP in each resin mix, i, applied;
n = number of resins applied; and
EF = each emissions factor.

EF = 0.04 lb of organic HAP emissions emitted / lb of available organic HAP in resin applied (US EPA's AP-42, Fifth Edition, Volume I Chapter 4: Evaporation Loss Sources, Section 4.4, Table 4.4-2. Emission Factors for Uncontrolled Polyester Resin Production Fabrication Processes, February 2007, or the use of an EF with the written approval from Ohio EPA).

0.60 = emissions reduction limit, by weight (0.60 organic HAP emissions reduction limit, by weight, is achieved by meeting the requirements in c)(1).

(4) The permittee shall inspect daily the wet area enclosure when there is resin present in the resin bath, and record the following information:

a. the date and reason why any required inspection was not performed;

b. the date and all times the enclosure was not in place over the resin bath and there was resin present in the resin bath;

c. the date and all times the enclosure's access panels, doors, hatches or covers were open and there was resin present in the resin bath;

d. the date and all times and cause(s) when the wet area enclosure and resin drip collection system did not meet each criterion in c)(1); and

e. information on the duration and cause of each deviation and the corrective action taken.

(5) The permittee shall maintain a weekly log of filter replacements and any maintenance of the fabric filter system.

(6) The permittee shall properly operate the fabric filter system and check it at least once per week when the emissions unit is in operation. The permittee shall record all periods of time during which the fabric filter system was not in operation when the emissions unit was in operation.

e) Reporting Requirements

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

a. the length of time, when the particulate control filter was not in service when the emissions unit was in operation; and

b. an identification of each month when the OC emissions exceeded 1,216 pounds per month, and the actual OC emissions for each such month.

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

(2) The permittee must submit semiannual compliance reports:

a. If there were no deviations with the emissions limit of reducing total organic HAP emissions by at least 60 weight percent, provide a statement that there were no deviations with this emissions limit, i.e., the total organic HAP emissions were reduced by at least 60 weight percent because each pultrusion machine met the criteria in section c)(1) during the reporting period;

b. If there were deviations with the emissions limit of reducing total organic HAP emissions by at least 60 weight percent, provide the total operating time of each emissions unit during the reporting period and information on the number, duration, and cause of deviations (including unknown cause, if applicable), and the corrective action taken;

c. If there were no deviations with the emissions limit of reducing VOC emissions by at least 60 weight percent, provide a statement that there were no deviations with this emissions limit, i.e., VOC emissions were reduced by at least 60 weight percent because each pultrusion machine met the criteria in section c)(1) during the reporting period; and

d. If there were deviations with the emissions limit of reducing VOC emissions by at least 60 weight percent, provide the total operating time of each emissions unit during the reporting period and information on the number, duration, and cause of deviations (including unknown cause, if applicable), and the corrective action taken.

Each compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. These compliance reports shall be submitted by July 31 or January 31, respectively.

f) Testing Requirements

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

a. <u>Emission Limitation:</u>
Reduce total organic HAP emissions by at least 60 percent by weight.

Applicable Compliance Method:
Compliance shall be determined based upon the record keeping specified in d)(4) of these terms and conditions. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 18, 25, 25A, 204, 204A – F, 205 or other approved methods as appropriate.

b. Emission Limitation:
Reduce VOC emissions by at least 60 percent by weight.

Applicable Compliance Method:
Compliance shall be determined based upon the record keeping specified in d)(4) of these terms and conditions. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 18, 25, 25A, 204, 204A – F, 205 or other approved methods as appropriate.

c. Emission Limitation:
1,216 lbs OC/month and 7.3 tons OC/year.

Applicable Compliance Method:
Compliance shall be determined based upon the record keeping specified in d)(3) of these terms and conditions. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25, 25A, 204, 204A – F, 205 or other approved methods as appropriate.

The tpy emission limitation was developed by multiplying the monthly OC emission limitation (1,216 lbs/month) by 12 months per year, and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the monthly emission limitation, compliance shall also be shown with the annual emission limitation.

d. Emission Limitation:
Total organic HAPs/VOC shall be less than 10.0 tons/yr.

Applicable Compliance Method:
Compliance shall be determined based upon the record keeping specified in d)(3) of these terms and conditions.

e. Emission Limitation:
Particulate emissions shall be less than 10.0 tons/yr.

Applicable Compliance Method:
Compliance with the hourly PE limitation shall be demonstrated by using Method 5 as outlined in 40 CFR 60, Appendix A. No testing is specifically required by this permit but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A). Such testing may be required at opacity levels less than those required by the visible emissions limit in section b) of these terms and conditions.

Compliance with the annual PE limitation shall be determined by multiplying the maximum hourly controlled PE rate 0.37 lb/hr (3.7 lbs/hr x (1 – 0.9)) by 8760 hours (total hours in a year) and dividing by 2000 (pounds in a ton).

f. Emission Limitation:
Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as specified by the rule.

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 and the procedures specified in OAC rule 3745-17-03(B)(1).

g) Miscellaneous Requirements

(1) None.