



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

4/11/2013

Certified Mail

Mr. Chad Pulliam
Perry Fiberglass Products Inc
33660 Pin Oak Parkway
Avon Lake, OH 44012

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL
Facility ID: 0247030996
Permit Number: P0113379
Permit Type: OAC Chapter 3745-31 Modification
County: Lorain

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

Dear Permit Holder:

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

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

How to appeal this permit

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

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

How to save money, reduce pollution and reduce energy consumption

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

How to give us feedback on your permitting experience

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

How to get an electronic copy of your permit

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

If you have any questions, please contact Ohio EPA DAPC, Northeast District Office at (330)425-9171 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

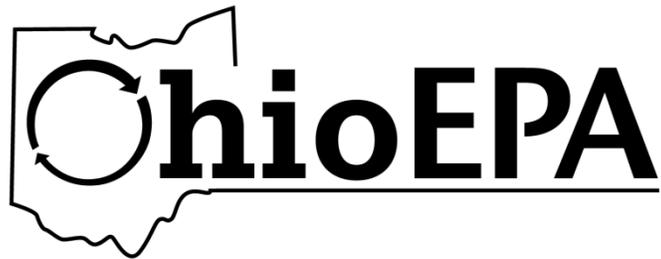
Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager

Permit Issuance and Data Management Section, DAPC

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



FINAL

**Division of Air Pollution Control
Permit-to-Install
for
Perry Fiberglass Products Inc**

Facility ID: 0247030996
Permit Number: P0113379
Permit Type: OAC Chapter 3745-31 Modification
Issued: 4/11/2013
Effective: 4/11/2013



Division of Air Pollution Control
Permit-to-Install
for
Perry Fiberglass Products Inc

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Final Permit-to-Install
Perry Fiberglass Products Inc
Permit Number: P0113379
Facility ID: 0247030996
Effective Date: 4/11/2013

Authorization

Facility ID: 0247030996
Facility Description: Fiberglass reinforced plastic duct manufacturing
Application Number(s): A0047069
Permit Number: P0113379
Permit Description: Chapter 31 modification for an increase in VOC emissions for two filament winders.
Permit Type: OAC Chapter 3745-31 Modification
Permit Fee: \$400.00
Issue Date: 4/11/2013
Effective Date: 4/11/2013

This document constitutes issuance to:

Perry Fiberglass Products Inc
33660 Pin Oak Parkway
Avon Lake, OH 44012

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

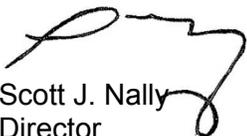
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, 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

A handwritten signature in black ink, appearing to read "Scott J. Nally".
Scott J. Nally
Director



Authorization (continued)

Permit Number: P0113379
 Permit Description: Chapter 31 modification for an increase in VOC emissions for two filament winders.

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

Group Name: Filament winders

Emissions Unit ID:	P001
Company Equipment ID:	Filament winder #1
Superseded Permit Number:	02-17574
General Permit Category andType:	Not Applicable
Emissions Unit ID:	P002
Company Equipment ID:	Filament Winder #2
Superseded Permit Number:	P0105151
General Permit Category andType:	Not Applicable



Final Permit-to-Install
Perry Fiberglass Products Inc
Permit Number: P0113379
Facility ID: 0247030996
Effective Date:4/11/2013

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 emission limitations, operational restrictions, and control device operating parameter limitations, 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, and reporting requirements 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 entered upon 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.



Final Permit-to-Install
Perry Fiberglass Products Inc
Permit Number: P0113379
Facility ID: 0247030996
Effective Date:4/11/2013

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. The following emissions units, as well as containers storing HAP-containing materials are subject to 40 CFR Part 63, Subpart WWWW, National Emission Standards for Hazardous Air Pollutants for Reinforced Plastic Composites Production. 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://ecfr.gpoaccess.gov> or by contacting the appropriate Ohio EPA District office or local air agency.

EU ID	Operations, Property and/or Equipment Description
P001	Filament Winder 1
P002	Filament Winder 2

The permittee shall comply with all applicable requirements of 40 CFR Part 63, Subpart WWWW. The permittee shall also comply with all applicable requirements of 40 CFR Part 63, Subpart A (General Provisions) as identified in Table 15 of 40 CFR Part 63, Subpart WWWW. Compliance with all applicable requirements shall be achieved by the dates set forth in 40 CFR Part 63, Subpart WWWW, and Subpart A.

3. **40 CFR, Part 63, Subpart WWWW – Operational Restriction for the facility-wide work practice standard:**

a) For all fiberglass reinforced plastic operations, the permittee must keep all containers that store HAP-containing materials closed or covered, except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

4. **40 CFR, Part 63, Subpart WWWW – Reporting Requirements for facility-wide work practice standard:**

a) The permittee must submit the following semiannual compliance reports:

(1) if there are no deviations from this work practice standard in B.3.a), provide a statement that there were no deviations from this work practice standard during the reporting period (i.e., all containers that store HAP-containing materials were closed or covered during the reporting period); and

(2) if there were deviations with this work practice standard in B.3.a), 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 to the Director (the Ohio EPA eBusiness Center, Air Services) by July 31 or January 31, respectively.



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

63.5915(a)	copy of compliance notification(s) and report(s)
63.5915(d)	certified statement of compliance with work practice requirements
63.5920(a) – (d)	record keeping format and retention requirements

6. The following emissions units as well as containers storing HAP-containing materials are subject to OAC rule 3745-21-25. Compliance with all applicable requirements shall be achieved by the dates set forth in OAC rule 3745-21-25.

EU ID	Operations, Property and/or Equipment Description
P001	Filament Winder 1
P002	Filament Winder 2

7. OAC rule 3745-21-25 – Operational Restriction for the facility-wide work practice standard:

- a) For all fiberglass reinforced plastic operations, the permittee must keep all containers that store VOC-containing materials closed or covered except during the addition or removal of materials. Bulk VOC-containing materials storage tanks may be vented as necessary for safety.

8. OAC rule 3745-21-25 – Reporting Requirements for facility-wide work practice standard:

- a) The permittee must submit the following semiannual compliance reports:
 - (1) if there are no deviations from the work practice standard in B.7.a), provide a statement that there were no deviations from this work practice standard during the reporting period (i.e., all containers that store VOC-containing materials were closed or covered during the reporting period); and
 - (2) if there were deviations with the work practice standard in B.7.a), 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 to the Director (the Ohio EPA eBusiness Center, Air Services) by July 31 or January 31, respectively.

9. OAC rule 3745-21-25 – Combination of facility-wide uncontrolled VOC emissions:

The permittee has reported in their initial notification for this rule that VOC emissions were less than the threshold of one hundred tons of VOC per year prior to any add-on control device from the combination of all open molding, centrifugal casting, continuous lamination/casting, pultrusion, SMC manufacturing, mixing, and BMC manufacturing.



10. OAC rule 3745-21-25 – VOC emission limitations for facility-wide uncontrolled VOC emissions equal to or greater than 100 tons per year:

If the reinforced plastic composites production facility has VOC emissions equal to or greater than the threshold of one hundred tons of VOC per year from the combination of all open molding, centrifugal casting, continuous lamination/casting, pultrusion, SMC manufacturing, mixing, and BMC manufacturing, the owner or operator shall reduce the total VOC emissions from these operations by at least ninety-five per cent by weight. As an alternative to meeting ninety-five per cent by weight, the owner or operator may meet the VOC emissions limits in table 3 of this rule. A facility's VOC emissions threshold shall be calculated in accordance with paragraph (F) of this rule.

Once the facility equals or exceeds the one hundred (100) tons of VOC per year threshold of OAC rule 3745-21-25(D)(3), it is always subject to the requirements of the OAC rule 3745-21-25(D)(3).

11. OAC rule 3745-21-25 –Monitoring Requirements for facility-wide uncontrolled VOC emissions:

- a) The permittee shall calculate, on a semiannual basis, a 12-month summation of tons of VOC emissions, prior to any add-on control device, from the following operations: open molding, centrifugal casting, continuous lamination/casting, pultrusion, SMC manufacturing, mixing, and BMC manufacturing. The permittee shall calculate the facility's VOC emissions threshold using procedures in OAC rule 3745-21-25(F).

The calculated VOC emissions shall cover the 12-month period prior to June 30 and the 12-month period prior to December 31.

12. OAC rule 3745-21-25–Reporting Requirements for facility-wide uncontrolled VOC emissions threshold:

- a) The permittee shall report if the facility's actual VOC emissions met or exceeded the actual emissions threshold of one hundred tons of VOC emissions per year (VOC emissions prior to any add-on control device), as calculated in B.11.a), and if the amount of VOC emissions would make the facility subject to paragraph (D)(3) of OAC rule 3745-21-25. The report shall be submitted to the Director (the Ohio EPA eBusiness Center, Air Services) by whichever date comes first after the facility's determination that it met or exceeded the VOC threshold: July 31 or January 31.

In the event a reinforced plastic composites production facility equals or exceeds the one hundred tons of VOC per year threshold of paragraph (D)(3) of this rule on or after December 14, 2009, but reduces its emissions to less than the one hundred tons of VOC per year threshold by no later than the compliance date of this rule, the facility is not subject to the requirements of paragraphs (D)(3) of this rule. If such reinforced plastic composites production facility subsequently equals or exceeds the one hundred tons of VOC per year threshold of paragraph (D)(3) of this rule, then it becomes subject to the requirements of paragraph (D)(3) of this rule.

13. OAC rule 3745-21-25 –Compliance date for facility-wide uncontrolled VOC emissions over the threshold of 100 tons per year:

- a) If the facility has actual uncontrolled VOC emissions less than the threshold of one hundred tons of VOC per year from the combination of all open molding, centrifugal casting, continuous



lamination/casting, pultrusion, SMC manufacturing, mixing, and BMC manufacturing, and the facility subsequently increases its actual uncontrolled VOC emissions to meet or exceed the threshold of one hundred tons of VOC per year from the combination of such operations, the compliance date of any affected operation pertaining to a new VOC emission requirement is two years from the date that the semiannual compliance report indicates the facility meets or exceeds the threshold of one hundred tons of VOC per year.

14. 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(P)(1)(a)	The owner or operator shall keep the following records: 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)	The owner or operator shall keep the following records: for operations listed in tables 2, 3, and 4 of this rule, all data, assumptions, and calculations used to determine monomer contents and VOC emissions factors.
OAC rule 3745-21-25(P)(1)(e)	The owner or operator shall keep the following records: a certified statement that operations are in compliance with the work practice standards specified in Table 1 of OAC rule 3745-21-25, as applicable.
OAC rule 3745-21-25(P)(4)	record keeping retention requirements, retained all records for a period five years



Final Permit-to-Install
Perry Fiberglass Products Inc
Permit Number: P0113379
Facility ID: 0247030996
Effective Date:4/11/2013

C. Emissions Unit Terms and Conditions



1. Emissions Unit Group -Filament winders: P001,P002,

EU ID	Operations, Property and/or Equipment Description
P001	Filament Winder 1
P002	Filament Winder 2

- 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 – 63.5935)	Organic hazardous air pollutants (HAP) shall not exceed emissions standards as specified in 40 CFR 63.5805, Subpart WWWW. See b)(2)a, Table 3 of 40 CFR Part 63, Subpart WWWW.
b.	40 CFR Part 63.1 – 63.15 (40 CFR 63.5925)	Table 15 to Subpart WWWW – Applicability of General Provisions, Subpart A.
c.	OAC rule 3745-21-25(D)	Volatile organic compounds (VOC) emissions shall not exceed emissions standards as specified in OAC rule 3745-21-25(D)(2). See b)(2)b, Table 2 of OAC rule 3745-21-25.
d.	ORC 3704.03(T)	The emission limitations established under this rule are equivalent to the emission standards pursuant to Table 3 of 40 CFR Part 63, Subpart WWWW and Table 2 of OAC rule 3745-21-25.



(2) Additional Terms and Conditions

a. The permittee shall not exceed the following organic HAP emission limitations.

40 CFR 63.5805, Subpart WWWW		Table 3
Type of operation	Resin application method or gel coat type	Organic HAP limit ¹
1. open molding: corrosion-resistant and/or high strength (CR/HS)	a. mechanical resistant application b. filament application c. manual resin application	113 lb/ton. 171 lb/ton. 123 lb/ton.
2. open molding: non-CR/HS	a. mechanical resin application b. filament application c. manual resin application	88 lb/ton. 188 lb/ton. 87 lb/ton.
3. open molding: tooling	a. mechanical resin application b. manual resin application	254 lb/ton. 157 lb/ton.
4. open molding: low-flame spread/low-smoke products	a. mechanical resin application b. filament application c. manual resin application	497 lb/ton. 270 lb/ton. 238 lb/ton.
5. open molding: shrinkage controlled resins ²	a. mechanical resin application b. filament application c. manual resin application	354 lb/ton. 215 lb/ton. 180 lb/ton.
6. open molding: gel coat ³	a. tooling gel coat b. white/off white pigmented gel coat c. all other pigmented gel coat d. CR/HS or high performance gel coat e. fire retardant gel coat f. clear production gel coat	440 lb/ton. 267 lb/ton. 377 lb/ton. 605 lb/ton. 854 lb/ton. 522 lb/ton.

¹Organic HAP emissions limits for open molding and centrifugal casting are expressed as lb/ton. You must be at or below these values based on a twelve-month rolling average.



²This emission limit applies regardless of whether the shrinkage controlled resin is used as a production resin or a tooling resin.

³If you only apply gel coat with manual application, for compliance purposes treat the gel coat as if it were applied using atomized spray guns to determine both emission limits and emission factors. If you use multiple application methods and any portion of a specific gel coat is applied using nonatomized spray, you may use the nonatomized spray gel coat equation to calculate an emission factor for the manually applied portion of that gel coat. Otherwise, use the atomized spray gel coat application equation to calculate emission factors.

b. The permittee shall not exceed the following VOC emission limitations.

OAC rule 3745-21-25(D)(2) For VOC threshold less than 100 tons		Table 2
Type of operation	Resin application method or gel coat type	VOC limit ¹
1. open molding: corrosion-resistant and/or high strength (CR/HS)	a. mechanical resistant application	113 lb/ton.
	b. filament application	171 lb/ton.
	c. manual resin application	123 lb/ton.
2. open molding: non-CR/HS	a. mechanical resin application	88 lb/ton.
	b. filament application	188 lb/ton.
	c. manual resin application	87 lb/ton.
3. open molding: tooling	a. mechanical resin application	254 lb/ton.
	b. manual resin application	157 lb/ton.
4. open molding: low-flame spread/ low-smoke products	a. mechanical resin application	497 lb/ton.
	b. filament application	270 lb/ton.
	c. manual resin application	238 lb/ton.
5. open molding: shrinkage controlled resins ²	a. mechanical resin application	354 lb/ton.
	b. filament application	215 lb/ton.
	c. manual resin application	180 lb/ton.
6. open molding: gel coat ³	a. tooling gel coat	440 lb/ton.
	b. white/off white pigmented gel coat	267 lb/ton.
	c. all other pigmented gel coat	377 lb/ton.
	d. CR/HS or high performance gel coat	605 lb/ton.
	e. fire retardant gel coat	854 lb/ton.
	f. clear production gel coat	522 lb/ton.

¹VOC emissions limits for open molding and centrifugal casting are expressed as pounds of VOC per ton of resin or gel coat (pounds per ton). The operation shall be at or below these values based on a twelve-month rolling average.

²This emission limit applies regardless of whether the shrinkage controlled resin is used as a production resin or a tooling resin.

³If applying gel coat with manual application, for compliance purposes treat the gel coat as if it were applied using atomized spray guns to determine both emission limits and emission factors. If using multiple application methods and any portion of a specific gel coat is applied using nonatomized spray, the owner or operator may use the nonatomized spray gel coat equation to calculate an emission factor for the manually applied portion of that gel coat. Otherwise, use the atomized spray gel coat application equation to calculate emission factors.



c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall utilize one or more compliance options, as specified in 40 CFR 63.5810 to demonstrate compliance with the emission standards for open molding in Table 3 of this subpart, as described in the following sections:

63.5810(a)	individual resin or gel coat, as applied, emissions limit
63.5810(b)	on average, the individual organic HAP emissions limits for each combination of operation type and resin application method or gel coat type
63.5810(c)	weighted average emission limit
63.5810(d)	organic HAP emissions limit for one application method and use the same resin(s) for all application methods of that resin type

(2) The permittee is currently demonstrating compliance through the option specified in 63.5810(b). The permittee shall comply with the following data collection, emission calculation, and record keeping requirements, in addition to those listed in d)(3) below:

a. Group the process streams described in paragraph (a) of section 63.5810 by operation type and resin application method or gel coat type listed in Table 3 to this subpart and then calculate a weighted average emission factor based on the amounts of each individual resin or gel coat used for the last 12 months. To do this, sum the product of each individual organic HAP emissions factor calculated in paragraph (a)(1) of section 63.5810 and the amount of neat resin plus and neat gel coat plus usage that corresponds to the individual factors and divide the numerator by the total amount of neat resin plus and neat gel coat plus used in that operation type as shown in Equation 2 of section 63.5810.

$$Average\ organic\ HAP\ emissions\ factor = \frac{\sum_{i=1}^n (Actual\ Process\ Stream\ EF(i) * Material(i))}{\sum_{i=1}^n Material(i)}$$

Where:

Actual Process Stream EF(i) = actual organic HAP emissions factor for process stream (i), lbs/ton;

Material (i) = neat resin plus or neat gel coat plus used during the last 12 calendar months for process stream (i), tons;

n=number of process streams where you calculated an organic HAP emissions factor.



- b. You may, but are not required to, include process streams where you have demonstrated compliance as described in paragraph (a) of section 63.5810, subject to the limitations described in paragraph (a)(2) of section 63.5810, and you are not required to and should not include process streams for which you will demonstrate compliance using the procedures in paragraph (d) of section 63.5810.
- c. Compare each organic HAP emissions factor calculated in paragraph (b)(1) of section 63.5810 with its corresponding organic HAP emissions limit in Table 3 or 5 to this subpart. If all emissions factors are equal to or less than their corresponding emission limits, then you are in compliance.

Should the permittee choose to demonstrate compliance with the emission limitations listed in b)(2)a by one of the alternative compliance demonstrations specified in d)(1), the permittee shall collect and record the information specified in 40 CFR 63.5810(a),(c), or (d), as appropriate.

- (3) 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) – (d)	<p>records of resin and gel coat use, organic HAP content and operation where resin is used</p> <p>resin and gel coat use records are not required for the individual resins and gel coats that are demonstrated, as applied, to meet their applicable emission as defined in paragraph (a) of section 63.5810. However, you must retain the records of resin and gel coat organic HAP content, and you must include the list of these resins and gel coats and identify their application methods in your semiannual compliance reports.</p> <p>If individual resin or gel coat exceeds its applicable emission limit in table 3 or table 5, when demonstrating compliance with compliance option in 63.5810(a), then the owner or operator shall begin collecting resin and gel coat use records and calculate compliance using one of the averaging options on a twelve-month rolling average</p>
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

- (4) The permittee shall utilize one or more compliance options, as specified in OAC rule 3745-21-25(G) to demonstrate compliance with the emission standards for open molding in Table 2 of this rule, as described in the following sections:



OAC rule 3745-21-25(G)(1)	individual resin or gel coat, as applied, emissions limit
OAC rule 3745-21-25(G)(2)	on average, the individual VOC emissions limits for each unique combination of operation type and resin application method or gel coat type
OAC rule 3745-21-25(G)(3)	weighted average VOC emission limit
OAC rule 3745-21-25(G)(4)	VOC emissions limit for one application method and use the same resin(s) for all application methods of that resin type

- (5) The permittee is currently demonstrating compliance through the option specified in OAC rule 3745-21-25(G)(2). The permittee shall comply with the following data collection, emission calculation, and record keeping requirements, in addition to those listed in d)(6) below:
- a. Group the process streams described in paragraph (G)(1) of this rule by operation type and resin application method or gel coat type listed in table 2 of this rule and then calculate a weighted average emission factor based on the amounts of each individual resin or gel coat used for the last twelve months. To do this, sum the product of each individual VOC emissions factor calculated in paragraph (G)(1)(a) of this rule and the amount of neat resin plus and neat gel coat plus usage that corresponds to the individual factors and divide the numerator by the total amount of neat resin plus and neat gel coat plus used in that operation type as shown in the following equation:

$$Average\ VOC\ emissions\ factor = \frac{\sum_{i=1}^n (Actual\ Process\ Stream\ EF(i) * Material(i))}{\sum_{i=1}^n Material(i)}$$

where:

Actual Process Stream EF(i) = actual VOC emissions factor for process stream (i), pounds of VOC per ton of neat resin plus or neat gel coat plus.

Material(i) = the amount of neat resin plus or neat gel coat plus used during the last twelve calendar months for process stream (i), tons.

n = number of process streams where the owner or operator calculated a VOC emissions factor.

- b. The owner or operator may, but is not required to, include process streams where the owner or operator has demonstrated compliance as described in paragraph (G)(1) of this rule, subject to the limitations described in paragraph (G)(1)(b) of this rule, and the owner or operator is not required to and should not include process streams for which the owner or operator will demonstrate compliance using the procedures in paragraph (G)(4) of this rule.



- c. Compare each VOC emissions factor calculated in paragraph (G)(2)(a) of this rule with its corresponding VOC emissions limit in table 2 or table 3 of this rule. If all emissions factors are equal to or less than their corresponding emission limits, then the operation is in compliance.

Should the permittee choose to demonstrate compliance with the emission limitations listed in b)(2)b by one of the alternative compliance demonstrations specified in d)(4), the permittee shall collect and record the information specified in OAC rule 3745-21-25(G)(1), (3), or (4), as appropriate.

- (6) 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)	The owner or operator shall keep the following records: records of resin and gel coat use, monomer content and operation where resin is used
OAC rule 3745-21-25(O)(2)(c)	<p>The owner or operator shall keep the following records: resins and gel coats use are not required, when demonstrating compliance with (G)(1) limits, as applied, but include a list of resins and gel coats and identify their application methods in the semiannual compliance reports</p> <p>If individual resin or gel coat exceeds its applicable emission limit in table 2 or table 3, when demonstrating compliance with (G)(1) compliance option, then the owner or operator shall begin collecting resin and gel coat use records and calculate compliance using one of the averaging options on a twelve-month rolling average</p>
OAC rule 3745-21-25(P)(1)(a)	The owner or operator shall keep the following records: 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)	The owner or operator shall keep the following records: 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, retained all records for a period five years



- (7) The permittee shall maintain the following monthly records for each emissions unit:
- a. the company identification for each resin and/or gelcoat applied;
 - b. weight of each resin and/or gelcoat applied;
 - c. the weight percent of available VOC monomer (e.g., styrene and methyl methacrylate) for each resin and/or gelcoat applied; and
 - d. the total VOC emission rate for all resins and gelcoat applied, as calculated by the following equation, in pounds per month:

$$\text{VOC (lbs/month)} = \sum_{i=1}^n [W]_i \times \text{EF}$$

where:

W = weight of each resin, i, applied or the weight of each gelcoat, i, applied (a ton of resin is before the additions of additives such as powders, fillers, glass...etc, but include monomer additions), as recorded in d)(7)b;
 i = a specific resin or gelcoat applied during the month;
 n = total number of resins and gelcoat applied during the month; and
 EF = emissions factor(s) from Table 1 of Subpart WWWW of 40 CFR 63.

e) Reporting Requirements

- (1) The permittee shall submit semi-annual reports and such other notifications and reports to the Director (the Ohio EPA eBusiness Center, Air Services) as are required in 40 CFR Part 63, Subpart WWWW, pursuant to the following sections:

63.5905(b)	15-day notification of change(s)
63.5910(a) – (b) and Table 14	semi-annual compliance reports
63.5910(c) – (i) and Table 14	content of semi-annual compliance reports
63.5895(d)	list individual resins and gelcoats and application methods in semi-annual compliance reports

- (2) The permittee shall submit semi-annual reports and such other notifications and reports to the Director (the Ohio EPA eBusiness Center, Air Services) as are required in OAC rule 3745-21-25, pursuant to the following sections:

OAC rule 3745-21-25(Q)(1) – (Q)(2)	semi-annual compliance reports
OAC rule 3745-21-25 (Q)(3)(a) – (Q)(3)(h)	content of semi-annual compliance reports



OAC rule 3745-21-25(O)(2)(c)	list individual resins and gelcoats and application methods in semi-annual compliance reports
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(3) The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

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. Emission Limitation:

(40 CFR 63.5805, Subpart WWWW, Table 3)
 Organic HAP emission limitations in b)(2)a.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in d)(1), d)(2) and d)(3) of these terms and conditions.

b. Emission Limitation:

(OAC rule 3745-21-25(D)(2), Table 2)
 VOC emission limitations in b)(2)b.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in d)(4), d)(5) and d)(6) of these terms and conditions.

g) Miscellaneous Requirements

(1) None.