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

Certified Mail

4/2/2012

Mr. Dave Shideler
MULTIBASE A DOW CORNING COMPANY
3835 COPLEY ROAD
Copley, OH 44231

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
No	SYNTHETIC MINOR TO AVOID TITLE V
No	FEDERALLY ENFORCABLE PTIO (FEPTIO)
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 1677040053
Permit Number: P0109799
Permit Type: Administrative Modification
County: Summit

Dear Permit Holder:

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

If you have any questions, please contact Akron Regional Air Quality Management District at (330)375-2480or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. This permit can be accessed electronically on the DAPCWeb 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: ARAQMD

Ohio | Environmental Protection Agency

FINAL

Division of Air Pollution Control
Permit-to-Install and Operate
for
MULTIBASE A DOW CORNING COMPANY

Facility ID:	1677040053
Permit Number:	P0109799
Permit Type:	Administrative Modification
Issued:	4/2/2012
Effective:	4/2/2012
Expiration:	3/15/2022

Ohio Environmental Protection Agency

Division of Air Pollution Control
Permit-to-Install and Operate
for
MULTIBASE A DOW CORNING COMPANY

Table of Contents

Authorization 1

A. Standard Terms and Conditions 4

1. What does this permit-to-install and operate ("PTIO") allow me to do? 5
2. Who is responsible for complying with this permit? 5
3. What records must I keep under this permit? 5
4. What are my permit fees and when do I pay them? 5
5. When does my PTIO expire, and when do I need to submit my renewal application? 5
6. What happens to this permit if my project is delayed or I do not install or modify my source? 6
7. What reports must I submit under this permit? 6
8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit? 6
9. What are my obligations when I perform scheduled maintenance on air pollution control equipment? 6
10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report? 7
11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located? 7
12. What happens if one or more emissions units operated under this permit is/are shut down permanently? 7
13. Can I transfer this permit to a new owner or operator? 8
14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"? 8
15. What happens if a portion of this permit is determined to be invalid? 8

B. Facility-Wide Terms and Conditions 9

C. Emissions Unit Terms and Conditions 11

1. N001, Furnace # 1 12
2. Emissions Unit Group - Plastic Processing Equipment: P007, P008, P012, P013, P014, P018, P019, P021, P022, and P023. 17

Authorization

Facility ID: 1677040053
Application Number(s): M0001636
Permit Number: P0109799
Permit Description: Administrative modification of P0109392 to allow processing of polymers containing inert mineral fillers and silicone material in emissions unit N001.
Permit Type: Administrative Modification
Permit Fee: $50.00
Issue Date: 4/2/2012
Effective Date: 4/2/2012
Expiration Date: 3/15/2022
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

MULTIBASE A DOW CORNING COMPANY
3835 COPLEY ROAD
COPLEY, OH 44231

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

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

Akron Regional Air Quality Management District
146 South High Street, Room 904
Akron, OH 44308
(330)375-2480

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Scott J. Nally
Director

Authorization (continued)

Permit Number: P0109799
Permit Description: Administrative modification of P0109392 to allow processing of polymers containing inert mineral fillers and silicone material in emissions unit N001.

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

Emissions Unit ID:	**N001**
Company Equipment ID:	Furnace # 1
Superseded Permit Number:	P0109392
General Permit Category and Type:	Not Applicable

Group Name: Plastic Processing Equipment

Emissions Unit ID:	**P007**
Company Equipment ID:	Extruder # 7
Superseded Permit Number:	P0109392
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P008**
Company Equipment ID:	Extruder # 8
Superseded Permit Number:	P0109392
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P012**
Company Equipment ID:	Extruder # 12
Superseded Permit Number:	P0109392
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P013**
Company Equipment ID:	Extruder # 13
Superseded Permit Number:	P0109392
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P014**
Company Equipment ID:	Bulk Transfer System
Superseded Permit Number:	P0109392
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P018**
Company Equipment ID:	Ribbon Blender D
Superseded Permit Number:	P0109392
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P019**
Company Equipment ID:	Ribbon Blender E
Superseded Permit Number:	P0109392
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P021**
Company Equipment ID:	Ribbon Blender G
Superseded Permit Number:	P0109392
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**P022**
Company Equipment ID:	Storage Silos
Superseded Permit Number:	P0109392
General Permit Category andType:	Not Applicable

Emissions Unit ID:	**P023**
Company Equipment ID:	Ribbon Blender H
Superseded Permit Number:	P0109392
General Permit Category andType:	Not Applicable

A. Standard Terms and Conditions

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

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

2. Who is responsible for complying with this permit?

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

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

3. What records must I keep under this permit?

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

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

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

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

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

Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA’s permit compliance oversight activities. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement.Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

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

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is

very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.

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

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

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

7. What reports must I submit under this permit?

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

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

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

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

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

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

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

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

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

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

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

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

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

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting[1] a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emissions unit once the certification has been submitted to Ohio EPA by the authorized official.

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

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

[1]Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile 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).

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

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

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

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

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

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

B. Facility-Wide Terms and Conditions

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

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

      (1) None.

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

      (1) None.

C. Emissions Unit Terms and Conditions

1. N001, Furnace # 1

Operations, Property and/or Equipment Description:

Controlled Pyrolysis Cleaning Furnace #1. Natural gas fired, multiple chamber (primary and secondary), batch charging, maximum rated capacity 10 lbs/hr, burning Type 6 waste.

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), PTI #16-02330 issued 12/26/2003	Particulate emissions (PE) shall not exceed 0.013 lb/hr and 0.06 ton/yr. Nitrogen oxides (NO_X) emissions shall not exceed 0.027 lb/hr and 0.12 ton/yr. Organic Compound (OC) emissions shall not exceed 0.017 lb/hr and 0.07 ton/yr. Sulfur Dioxide (SO_2) emissions shall not exceed 0.002 lb/hr and 0.01 ton/yr Carbon Monoxide (CO) emissions shall not exceed 0.050 lb/hr and 0.22 ton/yr Visible PE shall not exceed 5% opacity, as a 6-minute average. See b)(2)a.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
b.	OAC rule 3745-17-07(A)(1)	See b)(2)b.
c.	OAC rule 3745-17-09(B)	0.20 lb PE/100 lbs of material charged See b)(2)c. and c)(5)

(2) Additional Terms and Conditions

a. The Best Available Technology (BAT) requirements include compliance with the requirements of OAC rules 3745-17-07 and 3745-17-09.

b. The visible PE limitation specified in this rule is less stringent than the limitation established pursuant to OAC rule 3745-31-05(A)(3).

c. No person shall cause, suffer, or allow to be emitted into the ambient air from any incinerators, particulate emissions in the exhaust gases in excess of 0.20 pound per one hundred pounds of liquid, semisolid or solid refuse and salvageable material charged for incinerators having incineration capacities less than one hundred pounds per hour.

c) Operational Restrictions

(1) The permittee shall only burn natural gas as fuel in this emissions unit.

(2) The permittee shall not process parts which may emit vapors of toxic metals such as lead or mercury. The permittee shall not process parts or materials containing coatings or plastics which contain halogens such as chloride, fluorine, or bromine.

(3) Batch incinerators (fully loaded while cold and never opened until the burn cycle is complete) shall incorporate a lockout system, which will prevent the ignition of waste until the exhaust gas temperature of the secondary combustion chamber reaches 1400 degrees Fahrenheit (°F).

(4) The secondary chamber of this emissions unit shall operate so that the exhaust gas is a minimum of 1400°F until the wastes are completely combusted and the burn-down cycle is complete.

(5) The incinerator, including all associated equipment and grounds, shall be designed, operated, maintained, and cleaned according to the manufacturer's recommendations so as to prevent the emission of objectionable odors.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall operate and maintain a continuous temperature monitor and display which measures and displays the temperature of the exhaust gas from the secondary combustion chamber when the emissions unit is in operation. Units shall be in degrees Fahrenheit (°F). The monitoring device and display shall be capable of accurately measuring the desired parameter. The temperature monitor and display shall be

installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

(2) The permittee shall collect and record the following information each time the emissions unit was in operation:

a. the temperature, in degrees Fahrenheit (°F), of the secondary combustion chamber, twice per batch cycle; and

b. a log of the downtime for the monitoring equipment, when the associated emissions unit was in operation.

(3) The permittee shall maintain a written log that records the amount of material charged on either a pounds per hour or pounds per batch basis.

e) Reporting Requirements

(1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.

The permittee shall identify the following information in the annual PER:

a. any records in which the secondary combustion chamber temperature was less than 1400°F and the actual recorded temperature for that period; and

b. each instance of monitoring equipment downtime when the associated emissions unit was in operation.

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 Limitations:</u>

0.013 lb PE/hr and 0.06 ton PE/yr

<u>Applicable Compliance Methods:</u>

If required, compliance with the hourly allowable particulate emission limitation identified above shall be determined by testing in accordance with U.S. EPA Method 1- 5 of 40 CFR Part 60, Appendix A.

The ton per year emission limitation was developed by multiplying the short-term allowable particulate emission limitation (0.013 lb/hr) by the maximum annual

hours of operation (8,760 hours), and then dividing by 2,000 pounds per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance the annual emission limitation shall be demonstrated.

b. Emission Limitations:

0.027 lb NO_X/hr and 0.12 ton NO_X/yr

Applicable Compliance Methods:

If required, compliance with hourly allowable nitrogen oxide emission limitation identified above shall be determined by testing in accordance with U.S. EPA Method 7 of 40 CFR Part 60, Appendix A.

The ton per year emission limitation was developed by multiplying the short-term allowable nitrogen oxide emission limitation (0.027 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 pounds per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance the annual emission limitation shall be demonstrated.

c. Emission Limitations:

0.017 lb OC/hr and 0.07 ton OC/yr

Applicable Compliance Methods:

If required, compliance with the hourly allowable organic compound emission limitation identified above shall be determined by testing in accordance with U.S. EPA Method 25 of 40 CFR Part 60, Appendix A.

The ton per year emission limitation was developed by multiplying the short-term allowable organic compound emission limitation (0.017 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 pounds per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance the annual emission limitation shall be demonstrated.

d. Emission Limitations:

0.002 lb SO_2/hr and 0.01 ton SO_2/yr

Applicable Compliance Method:

If required, compliance with the hourly allowable sulfur dioxide emission limitation identified above shall be determined by testing in accordance with U.S. EPA Method 6 of 40 CFR Part 60, Appendix A.

The ton per year emission limitation was developed by multiplying the short-term allowable sulfur dioxide emission limitation (0.002 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 pounds per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance the annual emission limitation shall be demonstrated.

e. Emission Limitation:

0.050 lb CO/hr and 0.22 ton CO/yr

Applicable Compliance Method:

If required, compliance with the hourly allowable carbon monoxide emission limitation identified above shall be determined by testing in accordance with U.S. EPA Method 10 of 40 CFR Part 60, Appendix A.

The ton per year emission limitation was developed by multiplying the short-term allowable carbon monoxide emission limitation (0.050 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 pounds per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance the annual emission limitation shall be demonstrated.

f. Emission Limitation:

Visible emissions shall not exceed 5% opacity, as a 6-minute average.

Applicable Compliance Method:

Compliance with the allowable opacity limitation identified above shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9 of 40 CFR Part 60, Appendix A.

g) Miscellaneous Requirements

(1) None.

2. Emissions Unit Group - Plastic Processing Equipment: P007, P008, P012, P013, P014, P018, P019, P021, P022, and P023.

EU ID	Operations, Property and/or Equipment Description
P007	Thermoplastic Extrusion Line #7; Rated at 3000 lbs/hr
P008	Thermoplastic Extrusion Line #8; Rated at 600 lbs/hr
P012	Thermoplastic Extrusion Line #12; Rated at 2800 lbs/hr
P013	Thermoplastic Extrusion Line #13; Rated at 2800 lbs/hr
P014	Pneumatic Bulk Plastic Pellet Transfer System with Dust Collector
P018	Ribbon Blender D; Rated at 4500 lbs/hr
P019	Ribbon Blender E; Rated at 6000 lbs/hr
P021	Ribbon Blender G; Rated at 5000 lbs/hr
P022	Storage Silos for Polypropylene Plastic Pellets
P023	Ribbon Blender H; Rated at 5500 lbs/hr

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), PTI #16-02158 issued 11/14/2002	Particulate emissions (PE) shall not exceed 0.25 lb/hr and 1.1 tons/yr See b)(2)a.
b.	OAC rule 3745-17-07(A)(1)	Visible PE from any uncontrolled stack, vent, or building opening shall not exceed 20% opacity as a 6-minute average.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
c.	OAC rule 3745-17-08(B)(3)	See b)(2)b.
d.	OAC rule 3745-17-11(B)(1)	See b)(2)c.

(2) Additional Terms and Conditions

a. The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:

i. the installation and employment of a fabric filter (baghouse), in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions;

ii. the installation and employment of hoods, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to a baghouse; and

iii. the emissions from the outlet of the baghouse shall not exceed 0.030 grain per dry standard cubic foot, or no visible emissions whichever is less stringent.

b. This facility is not located in an Appendix A area as described in OAC rule 3745-17-08. Therefore, OAC rules 3745-17-07(B)(1) and 3745-17-08(B)(3) do not apply to this emissions unit.

c. The emissions limitation specified by this rule is less stringent than that established pursuant to OAC rule 3745-31-05(A)(3).

c) Operational Restrictions

(1) The permittee shall not add any solvents or liquid volatile organic compounds (VOC) in this emissions unit.

d) Monitoring and/or Recordkeeping Requirements

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

a. the color of the emissions;

b. whether the emissions are representative of normal operations;

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

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

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

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item d)(1)d. above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

e) Reporting Requirements

(1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.

The permittee shall identify the following information in the annual PER in accordance with the monitoring requirements for visible emissions in d)(1):

a. all days during which any visible particulate emissions were observed from the stack serving this emissions unit; and

b. any corrective actions taken to minimize or eliminate the visible particulate emissions.

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 Limitations:</u>

0.25 lb PE/hr and 1.1 tons PE/yr

Applicable Compliance Methods:

If required, compliance with the hourly allowable particulate emission limitation identified above shall be determined by stack testing in accordance with U.S. EPA Method 5 of 40 CFR Part 60, Appendix A.

The ton per year emission limitation was developed by multiplying the short-term allowable particulate emission limitation (0.25 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 pounds per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance with the annual emission limitation shall be demonstrated.

b. Emission Limitations:

0.030 grain PE/dscf or no visible emissions from the baghouse exhaust

Applicable Compliance Methods:

Compliance with the requirement for no visible particulate emissions from the exhaust stack, identified in this permit, shall be determined in accordance with U.S. EPA Method 22 of 40 CFR Part 60, Appendix A. If opting to comply with the outlet particulate emissions rate, compliance with the 0.030 grain of particulate emissions per dry standard cubic foot of exhaust gases from the stack shall be determined in accordance with U.S. EPA Methods 1 through 5 of 40 CFR Part 60, Appendix A, as appropriate.

c. Emission Limitation:

Visible PE shall not exceed 20% opacity, as a 6-minute average.

Applicable Compliance Method:

Compliance with the allowable opacity limitation identified above shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9 of 40 CFR Part 60, Appendix A.

g) Miscellaneous Requirements

(1) None.