OhioEPA

State of Ohio Environmental Protection Agency

Street Address:
Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

TELE: (614) 644-3020 **FAX:** (614) 644-2329

Mailing Address:
Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

04/11/01

CERTIFIED MAIL

RE: Proposed Title V Chapter 3745-77 permit
03-87-04-0001
Bulk Molding Compounds, Inc.

Attn: Genevieve Damico AR-18J
United States Enviromental Protection Agency
Region V
77 West Jackson Blvd.
Chicago, IL 60604-3590

Dear Ms. Damico:

The proposed issuance of the Title V permit for Bulk Molding Compounds, Inc., has been created in Ohio EPA's State Air Resources System (STARS) on 04/11/01, for review by USEPA. This proposed action is identified in STARS as 3-Title V Proposed Permit T+C covering the facility specific terms and conditions, and Title V Proposed Permit covering the general terms and conditions. This proposed permit will be processed for issuance as a final action after forty-five (45) days from USEPA's receipt of this certified letter if USEPA does not object to the proposed permit. Please contact Mike Ahern, DAPC Permit Management Unit supervisor at (614) 644-3631 by the end of the forty-five (45) day review period if you wish to object to the proposed permit.

Very truly yours,

Thomas G. Rigo

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

cc: Northwest District Office
Becky Castle, DAPC PMU

Ohio EPA

State of Ohio Environmental Protection Agency

PROPOSED TITLE V PERMIT

Date: 04/11/01
Effective Date: **To be entered upon final issuance**
Expiration Date: **To be entered upon final issuance**

This document constitutes issuance to:

Bulk Molding Compounds, Inc.
P.O. Box 148
12600 Eckel Road
Perrysburg, OH 43552-0148

of a Title V permit for Facility ID: 03-87-04-0001

Emissions Unit ID (Company ID)/
Emissions Unit Activity Description:
P001 (Mixer #14)
Mixer used to manufacture bulk molding compounds.

P002 (Reinforcement Fiber Weigh-Out Station)
Weigh-out station for reinforcement fiber .

P003 (25-gal Mixer)
Bulk molding compound pre-mixer.

P011 (Mixer #18)
Mixer used to manufacture bulk molding compounds.

P013 (Mixer #19)
Mixer used to manufacture bulk molding compounds.

P017 (Facility Cleaning Solvent)
Usage of cleaning solvent at facility.

P019 (Bulk Filler Weigh-Out Station)
Filler weigh-out station for bulk molding compound mixers.

P020 (Mixer #15)
Mixer used to manufacture bulk molding compounds.

P021 (Mixer #16)
Mixer used to manufacture bulk molding compounds.

P023 (Mixer #17)
Mixer used to manufacture bulk molding compounds.

You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-04(A) and in accordance with the terms of this permit beyond the expiration date, provided that a complete renewal application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

Described below is the current Ohio EPA District Office or local air agency that is responsible for processing and administering your Title V permit:

Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402
(419) 352-8461

OHIO ENVIRONMENTAL PROTECTION AGENCY

_____

Christopher Jones
Director

PART I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Section

1. Monitoring and Related Recordkeeping 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:

i. The date, place (as defined in the permit), and time of sampling or measurements.
ii. The date(s) analyses were performed.
iii. The company or entity that performed the analyses.
iv. The analytical techniques or methods used.
v. The results of such analyses.
vi. 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 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:

i. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
ii. 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 promptly made to the appropriate Ohio EPA District Office or local air agency. These quarterly written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06. The written reports shall be submitted quarterly, i.e., 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.) See B.8 below if no deviations occurred during the quarter.
iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. These semi-

annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, recordkeeping, and reporting requirements. 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.

iv. 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.

2. 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 appropriate Ohio EPA District Office or local air agency 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 submitted pursuant to OAC rule 3745-15-06 shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of deviations caused by malfunctions or upsets.

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).

3. 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.

4. 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.

5. Severability Clause

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

6. General Requirements

a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the

Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.

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

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

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

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

7. 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.

8. Marketable Permit Programs

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

9. Reasonably Anticipated Operating Scenarios

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

10. Reopening for Cause

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

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

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

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

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

11. Federal and State Enforceability

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

12. Compliance Requirements

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

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

   i. 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.

ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.

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

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

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

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

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

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

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

ii. Compliance certifications shall include the following:

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

(b) The permittee's current compliance status.

(c) Whether compliance was continuous or intermittent.

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

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

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

13. Permit Shield

a. Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC

rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.

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

14. Operational Flexibility

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

15. Emergencies

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

16. Off Permit Changes

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

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

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

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

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

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

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

(For further clarification, the permittee can refer to Engineering Guide #63 that is available in their STARSHIP software package.)

17. Compliance Method Requirements

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

18. Insignificant Activity

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

B. State Only Enforceable Section

1. Permit to Install Requirement

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

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

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

b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from 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 appropriate Ohio EPA District Office or local air agency. 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., 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.)

3. Records Retention Requirements

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.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

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

6. Permit Transfers

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

7. 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.

8. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

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

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforcable Section

1. 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.

B. State Only Enforceable Section

1. The following insignificant emissions units are located at this facility:

Plant Boiler, Ohio EPA emissions unit B001;
Pilot Plant, Ohio EPA emissions unit P004;
Extruder #10, Ohio EPA emissions unit P015;
Littleford Extruder, Ohio EPA emissions unit P016;
Extruders #1 - #6, Ohio EPA emissions unit P022;
Extruders #7 - #9, Ohio EPA emissions unit P024;
Polyester Resin Tank, Ohio EPA emissions unit T001;
Vinyl Ester Resin Tank, Ohio EPA emissions unit T014;
Styrene Monomer Tank, Ohio EPA emissions unit T015;
Vinyl Toluene Polyester Resin Tank, Ohio EPA emissions unit T016;
Pigment Weigh-Out Station, Ohio EPA emissions unit Z012;
Catalyst Weigh-Out Station, Ohio EPA emissions unit Z013;
Quality Control Laboratory, Ohio EPA emissions unit Z014;
Dumpster #1, Ohio EPA emissions unit Z015;
Dumpster #2, Ohio EPA emissions unit Z016;
Pilot Plant Ventilation Hoods, Ohio EPA emissions unit Z017;
Pilot Plant Weigh-Out Stations, Ohio EPA emissions unit Z018; and
Parts Washer, Ohio EPA emissions unit Z019.

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within a Permit to Install (PTI) for the emissions unit.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Mixer #14 (P001)

Activity Description: Mixer used to manufacture bulk molding compounds.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bulk mold compound mixer #14, with baghouse	OAC rule 3745-17-11(B)	3.1 lbs particulate emissions (PE)/hr
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-21-07(G)(2)	8 lbs organic compounds (OC) per hr, 40 lbs OC per day
	OAC rule 3745-17-08	none (see A.I.2.a)
	OAC rule 3745-17-07(B)	none (see A.I.2.b)

2. Additional Terms and Conditions

2.a This facility is not located within the areas identified in "Appendix A" of OAC rule 3745-17-08. Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit.

2.b Pursuant to OAC rule 3745-17-07(B)(11), OAC rule OAC 3745-17-07(B)(1) does not apply because OAC rule 3745-17-08 is not applicable.

2.c The potential to emit for this emissions unit does not exceed the emission limits of 8 pound per hour and 40 pounds per day of OC. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limitations.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 4 to 6 inches of water while the emissions unit is in operation.

2. The permittee shall not employ any cleanup material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall maintain the following information each day for this emissions unit:

a. The company identification for each cleanup material employed in this emissions unit.

b. Documentation on whether or not each cleanup material employed is a photochemically reactive material.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation:
3.1 lbs PE/hr

Applicable Compliance Method:

To determine the actual maximum particulates emission rate (E), the permittee may use the following equation:

E = maximum process throughput*, in tons per hour X [(EF X (1-CE))+1.5***]

E = particulates emission rate (lbs/hr)

EF = 6.0 lbs PE/ton**

CE = control efficiency of the control system (assumed to be 95 percent)

* as included in the Title V permit application (claimed confidential by the applicant)

** from company material balance calculations

*** This represents the uncontrolled emission factor of fugitive emissions [20% of the total particulate emissions (stack & fugitive emissions), or 25% of the stack particulate emissions of 6.0 lbs PE/ton].

If required, the permittee shall demonstrate compliance with the emission limit above pursuant to OAC rule 3745-17-03(B)(10).

1.b Emission Limitation:
Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance with the visible PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

1.c Emission Limitations:
8 lbs organic compounds (OC) per hr, 40 lbs OC per day

Applicable Compliance Method:
Compliance may be determined as follows:

i. divide the emission factor of 0.31 lb OC/batch* by the minimum batch time**;

ii. multiply1.c.i by 60 (to compare with the hourly limit); and

iii. multiply 1.c.ii by 24 (to compare with the daily limit).

* based on the results of stack testing of a similar unit

** as included in the Title V application (claimed confidential by the applicant)

2. The permittee shall determine the composition of the materials by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine data used in the calculation of the OC content of materials by Reference Method 24 or an equivalent or alternative method.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bulk mold compound mixer #14, with baghouse	none	none

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Reinforcement Fiber Weigh-Out Station (P002)

Activity Description: Weigh-out station for reinforcement fiber .

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
reinforcement fiber weigh-out station, with baghouse	OAC rule 3745-17-11(B)	3.7 lbs particulate emissions (PE)/hr
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-08	none (see A.I.2.a)
	OAC rule 3745-17-07(B)	none (see A.I.2.b)

2. Additional Terms and Conditions

2.a This facility is not located within the areas identified in "Appendix A" of OAC rule 3745-17-08. Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit.

2.b Pursuant to OAC rule 3745-17-07(B)(11), OAC rule OAC 3745-17-07(B)(1) does not apply because OAC rule 3745-17-08 is not applicable.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.4 to 2 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation:
3.7 lbs PE/hr

Applicable Compliance Method:

To determine the actual maximum particulates emission rate (E), the permittee amay use the following equation:

E = maximum process throughput*, in tons per hour X [(EF X (1-CE))+0.6***]

E = particulates emission rate (lbs/hr)

EF = 2.4 lbs PE/ton**

CE = control efficiency of the control system (assumed to be 95 percent)

* as included in the Title V permit application (claimed confidential by the applicant)

** This uncontrolled emission factor from AP-42, Table 11.13-2 (originally 3.0 lbs PE/ton) was modified to account for an 80% capture efficiency.

*** This represents the uncontrolled emission factor of fugitive emissions (20% of 3.0 lbs PE/ton).

If required, the permittee shall demonstrate compliance with the emission limit above pursuant to OAC rule 3745-17-03(B)(10).

1.b Emission Limitation:
Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance with the visible PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
reinforcement fiber weigh-out station, with baghouse	none	none

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: 25-gal Mixer (P003)

Activity Description: Bulk molding compound pre-mixer.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bulk mold compound pre-mixer, with baghouse	OAC rule 3745-17-11(B)	1.0 lb particulate emissions (PE)/hr
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-21-07(G)(2)	8 lbs organic compounds (OC) per hr, 40 lbs OC per day
	OAC rule 3745-17-08	none (see A.I.2.a)
	OAC rule 3745-17-07(B)	none (see A.I.2.b)

2. Additional Terms and Conditions

2.a This facility is not located within the areas identified in "Appendix A" of OAC rule 3745-17-08. Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit.

2.b Pursuant to OAC rule 3745-17-07(B)(11), OAC rule OAC 3745-17-07(B)(1) does not apply because OAC rule 3745-17-08 is not applicable.

2.c The potential to emit for this emissions unit does not exceed the emission limits of 8 pound per hour and 40 pounds per day of OC. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limitations.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 4 to 6 inches of water while the emissions unit is in operation.

2. The permittee shall not employ any cleanup material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall maintain the following information each day for this emissions unit:

a. The company identification for each cleanup material employed in this emissions unit.

b. Documentation on whether or not each cleanup material employed is a photochemically reactive material.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation:
1.0 lb PE/hr

Applicable Compliance Method:

To determine the actual maximum particulates emission rate (E), the permittee may use the following equation:

E = maximum process throughput*, in tons per hour X [(EF X (1-CE)) + 0.69***]

E = particulates emission rate (lbs/hr)

EF = 2.75 lbs PE/ton**

CE = control efficiency of the control system (assumed to be 95 percent)

* as included in the Title V permit application (claimed confidential by the applicant)

** from company material balance calculations

*** This represents the uncontrolled emission factor of fugitive emissions [20% of the total particulate emissions (stack & fugitive emissions), or 25% of the stack particulate emissions of 2.75 lbs PE/ton].

If required, the permittee shall demonstrate compliance with the emission limit above pursuant to OAC rule 3745-17-03(B)(10).

1.b Emission Limitation:
Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance with the visible PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

1.c Emission Limitations:
8 lbs organic compounds (OC) per hr, 40 lbs OC per day

Applicable Compliance Method:
Compliance may be determined as follows:

i. divide the emission factor of 1.17 lbs OC/batch* by the minimum batch time**;

ii. multiply1.c.i by 60 (to compare with the hourly limit); and

iii. multiply 1.c.ii by 24 (to compare with the daily limit).

* based on the results of stack testing of a similar unit

** as included in the Title V application (claimed confidential by the applicant)

2. The permittee shall determine the composition of the materials by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine data used in the calculation of the OC content of materials by Reference Method 24 or an equivalent or alternative method.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bulk mold compound mixer, with baghouse	none	none

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Mixer #18 (P011)

Activity Description: Mixer used to manufacture bulk molding compounds.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bulk mold compound (Littleford) mixer #18, with baghouse	OAC rule 3745-17-11(B)	6.6 lbs particulate emissions (PE)/hr
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-21-07(G)(2)	8 lbs organic compounds (OC) per hr, 40 lbs OC per day
	OAC rule 3745-17-08	none (see A.I.2.a)
	OAC rule 3745-17-07(B)	none (see A.I.2.b)

2. Additional Terms and Conditions

2.a This facility is not located within the areas identified in "Appendix A" of OAC rule 3745-17-08. Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit.

2.b Pursuant to OAC rule 3745-17-07(B)(11), OAC rule OAC 3745-17-07(B)(1) does not apply because OAC rule 3745-17-08 is not applicable.

2.c The potential to emit for this emissions unit does not exceed the emission limits of 8 pound per hour and 40 pounds per day of OC. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limitations.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 4 to 6 inches of water while the emissions unit is in operation.

2. The permittee shall not employ any cleanup material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

3. The number of batches produced for this emissions unit shall not exceed 160 per day.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall maintain the following information each day for this emissions unit:

a. The company identification for each cleanup material employed in this emissions unit.

b. Documentation on whether or not each cleanup material employed is a photochemically reactive material.

3. The permittee shall maintain daily records of the number of batches produced from this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

2. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.

3. The permittee shall submit quarterly deviation (excursion) reports that identify each day during which the number of batches produced for this emissions unit exceeded 160.

4. All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation:
6.6 lbs PE/hr

Applicable Compliance Method:

To determine the actual maximum particulates emission rate (E), the permittee may use the following equation:

E = maximum process throughput*, in tons per hour X [(EF X (1-CE)) + 0.69***]

E = particulates emission rate (lbs/hr)

EF = 2.75 lbs PE/ton**

CE = control efficiency of the control system (assumed to be 95 percent)

* as included in the Title V permit application (claimed confidential by the applicant)

** from company material balance calculations

*** This represents the uncontrolled emission factor of fugitive emissions [20% of the total particulate emissions (stack & fugitive emissions), or 25% of the stack particulate emissions of 2.75 lbs PE/ton].

If required, the permittee shall demonstrate compliance with the emission limit above pursuant to OAC rule 3745-17-03(B)(10).

1.b Emission Limitation:
Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance with the visible PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

1.c Emission Limitations:
8 lbs organic compounds (OC) per hr

Applicable Compliance Method:
Compliance may be determined as follows:

i. divide the emission factor of 0.25 lb OC/batch* by the minimum batch time**; and

ii. multiply1.c.i by 60 (to compare with the hourly limit).

* based on the results of stack testing of a similar unit

** as included in the Title V application (claimed confidential by the applicant)

1.d Emission Limitations:
40 lbs organic compounds (OC) per day

Applicable Compliance Method:
Compliance may be determined by multiplying the emission factor of 0.25 lb OC/batch* by the maxium number of batchs/day** (to compare with the daily limit).

* based on the results of stack testing of a similar unit

** from section A.III.3 above (160 batches/day)

2. The permittee shall determine the composition of the materials by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine data used in the calculation of the OC content of materials by Reference Method 24 or an equivalent or alternative method.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bulk mold compound (Littleford) mixer #18, with baghouse	OAC rule 3745-31-05 (PTI# 03-9519)	stack emissions: 0.30 lb particulate emissions (PE)/hr fugitive emissions: 1.50 lbs PE/hr stack & fugitive emissions: 8.1 tons PE/year

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene

TLV (ug/m3): 213,000

Maximum Hourly Emission Rate (lbs/hr): 8.0

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 4,470

MAGLC (ug/m3): 5,071

III. Monitoring and/or Record Keeping Requirements (continued)

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be still satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

a. changes in the composition of the materials used (typically coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

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

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

4. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from any building openings housing this emissions unit. These building openings shall include, but not limited to, doorways, windows, and roof monitors. 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 location and 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 each visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from any building openings housing this emissions unit and (b) describe any corrective actions taken to eliminate the visible emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation:
0.30 lb PE/hr (stack emissions)

Applicable Compliance Method:

To determine the actual maximum particulates emission rate (E), the permittee may use the following equation:

E = maximum process throughput*, in tons per hour X (EF X (1-CE))

E = particulates emissions rate (lbs/hr)

EF = 2.75 lbs PE/ton**

CE = control efficiency of the control system (assumed to be 99 percent).

* as included in the Title V permit application (claimed confidential by the applicant)

** from company material balance calculations

If required, the permittee shall demonstrate compliance with the emission limit above pursuant to Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

1.b Emission Limitation:
1.50 lbs PE/hr (fugitive emissions)

Applicable Compliance Method:

To determine the actual maximum particulates emission rate (E), the permittee may use the following equation:

E = maximum process throughput*, in tons per hour X 0.69**

E = particulates emission rate (lbs/hr)

* as included in the Title V permit application (claimed confidential by the applicant)

** This represents the uncontrolled emission factor of fugitive emissions (25% of 2.75 lbs PE/ton).

1.c Emission Limitation:
8.1 tons PE/year (stack and fugitive)

Applicable Compliance Method:

As long as compliance with the hourly emission rates of 0.30 lb PE/hr (stack) and 1.5 lbs PE/hr (fugitive) is maintained, compliance with the annual emission limitation shall be assumed (the 8.1 TPY PE limitation is greater than the potential to emit for this emissions unit based upon multiplying the hourly PE emission rate (stack and fugitive combined) by 8760).

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Mixer #19 (P013)

Activity Description: Mixer used to manufacture bulk molding compounds.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
mold compound (Henschel glass) mixer #19, with baghouse	OAC rule 3745-17-11(B)	8.6 lbs particulate emissions (PE)/hr
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-21-07(G)(2)	8 lbs organic compounds (OC) per hr, 40 lbs OC per day
	OAC rule 3745-17-08	none (see A.I.2.a)
	OAC rule 3745-17-07(B)	none (see A.I.2.b)

2. Additional Terms and Conditions

2.a This facility is not located within the areas identified in "Appendix A" of OAC rule 3745-17-08. Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit.

2.b Pursuant to OAC rule 3745-17-07(B)(11), OAC rule OAC 3745-17-07(B)(1) does not apply because OAC rule 3745-17-08 is not applicable.

2.c The potential to emit for this emissions unit does not exceed the emission limits of 8 pound per hour and 40 pounds per day of OC. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limitations.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 4 to 6 inches of water while the emissions unit is in operation.

2. The permittee shall not employ any cleanup material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall maintain the following information each day for this emissions unit:

a. The company identification for each cleanup material employed in this emissions unit.

b. Documentation on whether or not each cleanup material employed is a photochemically reactive material.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation:
8.6 lbs PE/hr

Applicable Compliance Method:

To determine the actual maximum particulates emission rate (E), the permittee may use the following equation:

E = maximum process throughput*, in tons per hour X [(EF X (1-CE)) + 0.6***]

E = particulates emission rate (lbs/hr)

EF = 2.4 lbs PE/ton**

CE = control efficiency of the control system (assumed to be 95 percent)

* as included in the Title V permit application (claimed confidential by the applicant)

** This uncontrolled emissions factor from AP-42, Table 11.13-2 (originally 3.0 lbs PE/ton) was modified to account for an 80% capture efficiency.

*** This represents the uncontrolled emission factor of fugitive emissions [20% of the stack inlet emissions of 3.0 lbs PE/ton].

If required, the permittee shall demonstrate compliance with the emission limit above pursuant to OAC rule 3745-17-03(B)(10).

1.b Emission Limitation:
Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance with the visible PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

1.c Emission Limitations:
8 lbs organic compounds (OC) per hr, 40 lbs OC per day

Applicable Compliance Method:
Compliance may be determined as follows:

i. divide the emission factor of 0.17 lb OC/batch* by the minimum batch time**;

ii. multiply1.c.i by 60 (to compare with the hourly limit); and

iii. multiply 1.c.ii by 24 (to compare with the daily limit).

* based on the results of stack testing of a similar unit

** as included in the Title V application (claimed confidential by the applicant)

2. The permittee shall determine the composition of the materials by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine data used in the calculation of the OC content of materials by Reference Method 24 or an equivalent or alternative method.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
mold compound (Henschel glass) mixer #19, with baghouse	OAC rule 3745-31-05 (PTI# 03-9519)	stack emissions: 0.30 lb particulate emissions (PE)/hr fugitive emissions: 1.20 lbs PE/hr stack & fugitive emissions: 6.5 tons PE/year

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene

TLV (ug/m3): 213,000

Maximum Hourly Emission Rate (lbs/hr): 8.0

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 4,470

MAGLC (ug/m3): 5,071

III. Monitoring and/or Record Keeping Requirements (continued)

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be still satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

a. changes in the composition of the materials used (typically coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

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

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

4. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from any building openings housing this emissions unit. These building openings shall include, but not limited to, doorways, windows, and roof monitors. 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 location and 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 each visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from any building openings housing this emissions unit and (b) describe any corrective actions taken to eliminate the visible emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation:
0.30 lb PE/hr (stack emissions)

Applicable Compliance Method:

To determine the actual maximum particulates emission rate (E), the permittee may use the following equation:

E = maximum process throughput*, in tons per hour X (EF X (1-CE))

E = particulates emissions rate (lbs/hr)

EF = 2.4 lbs PE/ton**

CE = control efficiency of the control system (assumed to be 99 percent).

* as included in the Title V permit application (claimed confidential by the applicant)

** This uncontrolled emissions factor from AP-42, Table 11.13-2 (originally 3.0 lbs PE/ton) was modified to account for an 80% capture efficiency.

If required, the permittee shall demonstrate compliance with the emission limit above pursuant to Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

1.b Emission Limitation:
1.20 lbs PE/hr (fugitive emissions)

Applicable Compliance Method:

To determine the actual maximum particulates emission rate (E), the permittee may use the following equation:

E = maximum process throughput*, in tons per hour X 0.75**

E = particulates emission rate (lbs/hr)

* as included in the Title V permit application (claimed confidential by the applicant)

** This represents the uncontrolled emission factor of fugitive emissions (25% of 3.0 lbs PE/ton).

1.c Emission Limitation:
6.5 tons PE/year (stack and fugitive)

Applicable Compliance Method:

As long as compliance with the hourly emission rates of 0.30 lb PE/hr (stack) and 1.2 lbs PE/hr (fugitive) is maintained, compliance with the annual emission limitation shall be assumed (the 6.5 TPY PE limitation is greater than the potential to emit for this emissions unit based upon multiplying the hourly PE emission rate (stack and fugitive combined) by 8760).

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Facility Cleaning Solvent (P017)

Activity Description: Usage of cleaning solvent at facility.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
facility solvent cleaning operations	OAC rule 3745-21-07(G)	none (see A.II.1)

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall not employ any cleanup material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain the following information each day for this emissions unit:

a. The company identification for each cleanup material employed.

b. Documentation on whether or not each cleanup material employed is a photochemically reactive material.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
facility solvent cleaning operations	OAC rule 3745-31-05 (PTI #03-9519)	See A.I.2.a.

2. Additional Terms and Conditions

2.a The organic compound (OC) emissions from this emissions unit shall not be more than 8.5 tons/year, based upon a rolling, 12-month summation of the monthly OC emission rates.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:

a. the company identification for each cleanup material employed;

b. the number of gallons of each cleanup material employed;

c. the OC content of each cleanup material, in pounds per gallon;

d. the total organic compound emission rate for all cleanup materials, in pounds (summation of (b x c) for all cleanup materials); and

e. the rolling, 12-month summation of the monthly OC emission rates, in tons.

2. The permit to install for this emissions unit was evaluated based on the actual materials and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: methylene chloride
TLV (ug/m3): 174,000
Maximum Hourly Emission Rate (lbs/hr):
Stack FB1: 1.75
Stack DBF1: 1.75
Stack FB2: 1.75
Stack DFB2: 1.75
Predicted 1-Hour Maximum Ground-LevelConcentration (ug/m3): 1,000
MAGLC (ug/m3): 4,142

III. Monitoring and/or Record Keeping Requirements (continued)

3. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be still satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

a. changes in the composition of the materials used (typically coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

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

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

4. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that dentify each month during which the limitation on the rolling, 12-month summation of OC emissions was exceeded. All quarterly deviation reports shall be submitted in accordance with paragraph 3 of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:
8.5 tons OC per rolling, 12-month period

Applicable Compliance Method:
The permittee shall demonstrate compliance with this emission limitation based upon the record keeping requirements established in section B.III.1 of the terms and conditions of this permit.

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Bulk Filler Weigh-Out Station (P019)

Activity Description: Filler weigh-out station for bulk molding compound mixers.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bulk filler weigh-out station, with baghouse	OAC rule 3745-17-11(B)	7.0 lbs particulate emissions (PE)/hr
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-08	none (see A.I.2.a)
	OAC rule 3745-17-07(B)	none (see A.I.2.b)

2. Additional Terms and Conditions

2.a This facility is not located within the areas identified in "Appendix A" of OAC rule 3745-17-08. Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit.

2.b Pursuant to OAC rule 3745-17-07(B)(11), OAC rule OAC 3745-17-07(B)(1) does not apply because OAC rule 3745-17-08 is not applicable.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.4 to 2 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation:
7.0 lbs PE/hr

Applicable Compliance Method:

To determine the actual maximum particulates emission rate (E), the permittee amay use the following equation:

E = maximum process throughput*, in tons per hour X [(EF X (1-CE))+0.6***]

E = particulates emission rate (lbs/hr)

EF = 2.4 lbs PE/ton**

CE = control efficiency of the control system (assumed to be 95 percent)

* as included in the Title V permit application (claimed confidential by the applicant)

** This uncontrolled emission factor from AP-42, Table 11.13-2 (originally 3.0 lbs PE/ton) was modified to account for an 80% capture efficiency.

*** This represents the uncontrolled emission factor of fugitive emissions (20% of 3.0 lbs PE/ton).

If required, the permittee shall demonstrate compliance with the emission limit above pursuant to OAC rule 3745-17-03(B)(10).

1.b Emission Limitation:
Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance with the visible PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bulk filler weigh-out station, with baghouse	none	none

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Mixer #15 (P020)

Activity Description: Mixer used to manufacture bulk molding compounds.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bulk mold compound mixer #15, with baghouse	OAC rule 3745-17-11(B)	3.1 lbs particulate emissions (PE)/hr
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-21-07(G)(2)	8 lbs organic compounds (OC) per hr, 40 lbs OC per day
	OAC rule 3745-17-08	none (see A.I.2.a)
	OAC rule 3745-17-07(B)	none (see A.I.2.b)

2. Additional Terms and Conditions

2.a This facility is not located within the areas identified in "Appendix A" of OAC rule 3745-17-08. Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit.

2.b Pursuant to OAC rule 3745-17-07(B)(11), OAC rule OAC 3745-17-07(B)(1) does not apply because OAC rule 3745-17-08 is not applicable.

2.c The potential to emit for this emissions unit does not exceed the emission limits of 8 pound per hour and 40 pounds per day of OC. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limitations.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 4 to 6 inches of water while the emissions unit is in operation.

2. The permittee shall not employ any cleanup material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall maintain the following information each day for this emissions unit:

a. The company identification for each cleanup material employed in this emissions unit.

b. Documentation on whether or not each cleanup material employed is a photochemically reactive material.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation:
3.1 lbs PE/hr

Applicable Compliance Method:

To determine the actual maximum particulates emission rate (E), the permittee may use the following equation:

E = maximum process throughput*, in tons per hour X [(EF X (1-CE))+1.5***]

E = particulates emission rate (lbs/hr)

EF = 6.0 lbs PE/ton**

CE = control efficiency of the control system (assumed to be 95 percent)

* as included in the Title V permit application (claimed confidential by the applicant)

** from company material balance calculations

*** This represents the uncontrolled emission factor of fugitive emissions [20% of the total particulate emissions (stack & fugitive emissions), or 25% of the stack particulate emissions of 6.0 lbs PE/ton].

If required, the permittee shall demonstrate compliance with the emission limit above pursuant to OAC rule 3745-17-03(B)(10).

1.b Emission Limitation:
Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance with the visible PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

1.c Emission Limitations:
8 lbs organic compounds (OC) per hr, 40 lbs OC per day

Applicable Compliance Method:
Compliance may be determined as follows:

i. divide the emission factor of 0.31 lb OC/batch* by the minimum batch time**;

ii. multiply1.c.i by 60 (to compare with the hourly limit); and

iii. multiply 1.c.ii by 24 (to compare with the daily limit).

* based on the results of stack testing of a similar unit

** as included in the Title V application (claimed confidential by the applicant)

2. The permittee shall determine the composition of the materials by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine data used in the calculation of the OC content of materials by Reference Method 24 or an equivalent or alternative method.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bulk mold compound mixer #15, with baghouse	none	none

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Mixer #16 (P021)

Activity Description: Mixer used to manufacture bulk molding compounds.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bulk mold compound mixer #16, with baghouse	OAC rule 3745-17-11(B)	3.1 lbs particulate emissions (PE)/hr
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-21-07(G)(2)	8 lbs organic compounds (OC) per hr, 40 lbs OC per day
	OAC rule 3745-17-08	none (see A.I.2.a)
	OAC rule 3745-17-07(B)	none (see A.I.2.b)

2. Additional Terms and Conditions

2.a This facility is not located within the areas identified in "Appendix A" of OAC rule 3745-17-08. Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit.

2.b Pursuant to OAC rule 3745-17-07(B)(11), OAC rule OAC 3745-17-07(B)(1) does not apply because OAC rule 3745-17-08 is not applicable.

2.c The potential to emit for this emissions unit does not exceed the emission limits of 8 pound per hour and 40 pounds per day of OC. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limitations.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 4 to 6 inches of water while the emissions unit is in operation.

2. The permittee shall not employ any cleanup material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall maintain the following information each day for this emissions unit:

a. The company identification for each cleanup material employed in this emissions unit.

b. Documentation on whether or not each cleanup material employed is a photochemically reactive material.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation:
3.1 lbs PE/hr

Applicable Compliance Method:

To determine the actual maximum particulates emission rate (E), the permittee may use the following equation:

E = maximum process throughput*, in tons per hour X [(EF X (1-CE))+1.5***]

E = particulates emission rate (lbs/hr)

EF = 6.0 lbs PE/ton**

CE = control efficiency of the control system (assumed to be 95 percent)

* as included in the Title V permit application (claimed confidential by the applicant)

** from company material balance calculations

*** This represents the uncontrolled emission factor of fugitive emissions [20% of the total particulate emissions (stack & fugitive emissions), or 25% of the stack particulate emissions of 6.0 lbs PE/ton].

If required, the permittee shall demonstrate compliance with the emission limit above pursuant to OAC rule 3745-17-03(B)(10).

1.b Emission Limitation:
Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance with the visible PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

1.c Emission Limitations:
8 lbs organic compounds (OC) per hr, 40 lbs OC per day

Applicable Compliance Method:
Compliance may be determined as follows:

i. divide the emission factor of 0.31 lb OC/batch* by the minimum batch time**;

ii. multiply1.c.i by 60 (to compare with the hourly limit); and

iii. multiply 1.c.ii by 24 (to compare with the daily limit).

* based on the results of stack testing of a similar unit

** as included in the Title V application (claimed confidential by the applicant)

2. The permittee shall determine the composition of the materials by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine data used in the calculation of the OC content of materials by Reference Method 24 or an equivalent or alternative method.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bulk mold compound mixer #16, with baghouse	none	none

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Mixer #17 (P023)

Activity Description: Mixer used to manufacture bulk molding compounds.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bulk mold compound mixer #17, with baghouse	OAC rule 3745-17-11(B)	4.1 lbs particulate emissions (PE)/hr
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-21-07(G)(2)	8 lbs organic compounds (OC) per hr, 40 lbs OC per day
	OAC rule 3745-17-08	none (see A.I.2.a)
	OAC rule 3745-17-07(B)	none (see A.I.2.b)

2. Additional Terms and Conditions

2.a This facility is not located within the areas identified in "Appendix A" of OAC rule 3745-17-08. Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit.

2.b Pursuant to OAC rule 3745-17-07(B)(11), OAC rule OAC 3745-17-07(B)(1) does not apply because OAC rule 3745-17-08 is not applicable.

2.c The potential to emit for this emissions unit does not exceed the emission limits of 8 pound per hour and 40 pounds per day of OC. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limitations.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 4 to 6 inches of water while the emissions unit is in operation.

2. The permittee shall not employ any cleanup material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall maintain the following information each day for this emissions unit:

a. The company identification for each cleanup material employed in this emissions unit.

b. Documentation on whether or not each cleanup material employed is a photochemically reactive material.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. All quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit deviation (excursion) reports that identify each day during which a photochemically reactive cleanup material was employed. The report shall be submitted within 45 days after the deviation occurs.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation:
4.1 lbs PE/hr

Applicable Compliance Method:

To determine the actual maximum particulates emission rate (E), the permittee may use the following equation:

E = maximum process throughput*, in tons per hour X [(EF X (1-CE)) + 0.6***]

E = particulates emission rate (lbs/hr)

EF = 2.4 lbs PE/ton**

CE = control efficiency of the control system (assumed to be 95 percent)

* as included in the Title V permit application (claimed confidential by the applicant)

** This uncontrolled emissions factor from AP-42, Table 11.13-2 (originally 3.0 lbs PE/ton) was modified to account for an 80% capture efficiency.

*** This represents the uncontrolled emission factor of fugitive emissions [20% of the stack inlet emissions of 3.0 lbs PE/ton].

If required, the permittee shall demonstrate compliance with the emission limit above pursuant to OAC rule 3745-17-03(B)(10).

1.b Emission Limitation:
Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance with the visible PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

1.c Emission Limitations:
8 lbs organic compounds (OC) per hr, 40 lbs OC per day

Applicable Compliance Method:
Compliance may be determined as follows:

i. divide the emission factor of 0.78 lb OC/batch* by the minimum batch time**;

ii. multiply1.c.i by 60 (to compare with the hourly limit); and

iii. multiply 1.c.ii by 24 (to compare with the daily limit).

* based on the results of stack testing of a similar unit

** as included in the Title V application (claimed confidential by the applicant)

2. The permittee shall determine the composition of the materials by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses formulation data supplied by the manufacturer, to determine data used in the calculation of the OC content of materials by Reference Method 24 or an equivalent or alternative method.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bulk mold compound mixer #17, with baghouse	none	none

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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