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

01/31/01

CERTIFIED MAIL

RE: Preliminary Proposed Title V
Chapter 3745-77 permit

03-39-01-0115
CENTER MANUFACTURING COMPANY
Kenneth L. Martin
320 Euclid Ave.
Bellevue, OH 44811

Dear Kenneth L. Martin:

Enclosed is the Ohio EPA Preliminary Proposed Title V permit that was issued in draft form on 02/18/99. The comment period has ended. We are now ready to submit this permit to USEPA for approval.

We are submitting this for your review and comment. If you do not agree with the Preliminary Proposed Title V permit as written or with agreed-upon changes, then you have the opportunity to schedule a meeting with us to discuss your concerns.

Please contact Jim Orlemann, Engineering Section Manager, 614-644-3592, or you can telefax your request to (614) 644-3681, within fourteen (14) days from receipt of this letter if a meeting is desired. If a request for a meeting is not received within fourteen (14) days of receipt of this letter, we will forward this proposed permit (as written, or with agreed-upon changes) to USEPA for approval.

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

PRELIMINARY PROPOSED TITLE V PERMIT

Date: 01/31/01
Effective Date: **To be entered upon final issuance**
Expiration Date: **To be entered upon final issuance**

This document constitutes issuance to:

CENTER MANUFACTURING COMPANY
540 Goodrich Rd.
Bellevue, OH 44811

of a Title V permit for Facility ID: 03-39-01-0115

Emissions Unit ID (Company ID)/
Emissions Unit Activity Description:
P001 (P001 MIXER)
CEMENT MIXING AREA WITH BAGHOUSE

R002 (R002 TOP COAT)
TOP COAT SPRAY BOOTH

Z002 (P002 SHOT BLAST)
SHOT BLASTER WITH BAG HOUSE ROTOBLAST

Z004 (R001 PRIMER)
PRIMER TEXTURE SPRAY BOOTH

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 <u>emission limitations</u>, <u>operational restrictions</u>, <u>and control device operating parameter limitations</u>, 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 <u>monitoring, recordkeeping, and reporting requirements</u> 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 Enforceable Section

1. The facility's potential to emit VOC is less than 100 tons/year. Therefore, the requirements of OAC rule 3745-21-09 are not applicable to existing emissions units located there.

B. State Only Enforceable Section

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

dip tank, emissions unit K001
dry oven, emissions unit P003
dry oven, emissions unit P004
cement storage silo, emissions unit P005
test furnaces, emissions unit P006

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 for the emissions unit.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: P001 MIXER (P001)

Activity Description: CEMENT MIXING AREA WITH BAGHOUSE

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
cement mixing area, with baghouse	OAC rule 3745-17-11(B)	18.2 pounds particulate emissions (PE)/hour
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse to control all of the PE from this emissions unit.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2 - 5 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 cyclone did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. 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 Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation: 18.2 pounds PE/hour

Applicable Compliance Method: If required, the permittee shall demonstrate compliance pursuant to OAC rule 3745-17-03(B)(10).

V. Testing Requirements (continued)

1.b Emission Limitation: 20 percent opacity, as a six-minute average

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with this visible PE limitation in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures 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

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: R002 TOP COAT (R002)

Activity Description: TOP COAT SPRAY BOOTH

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
topcoat spray booth	OAC rule 3745-17-11(B)	None (refer to section A.I.2.a of the terms and conditions of this permit).
	OAC rule 3745-17-07(A)	None (refer to section A.I.2.b of the terms and conditions of this permit).
	OAC rule 3745-21-07(G)	None (refer to section A.II.1. of the terms and conditions of this permit).

2. Additional Terms and Conditions

2.a The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 pounds/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply since the facility is located in Huron County, which is identified as a P-3 county.

2.b This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable.

II. Operational Restrictions

1. The permittee shall not employ any coating or 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 record each day the following information for this emissions unit:

a. the company identification of each coating and cleanup material employed; and

b. an indication of whether or not each coating and cleanup material employed is a photochemically reactive material.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify each day during which noncomplying (i.e., photochemically reactive) coatings and/or cleanup materials were employed in this emissions unit, as well as the corrective action(s) taken to achieve compliance. 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

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
topcoat spray booth	OAC rule 3745-31-05 PTI No. 03-6326	31.7 pounds volatile organic compounds (VOC)/hour (see B.I.2.a) 380.2 pounds VOC/day

2. Additional Terms and Conditions

2.a The 31.7 pounds VOC/hour emission limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and reporting requirements to ensure compliance with this limitation.

2.b The permittee shall employ only dove gray, lead free, low bake, non-photochemically reactive topcoat (I.D. number 6004) or equivalent, with a maximum VOC content of 4.4 pounds/gallon of coating.

II. Operational Restrictions

1. Usage of the coating material referenced in B.I.2.b above shall not exceed 7.2 gallons/hour, 86.4 gallons/day, and 15,840 gallons/year.

2. The permittee shall utilize a closed gun cleaner system for the cleanup operations in this emissions unit, and there shall be no VOC emissions from cleanup material usage.

III. Monitoring and/or Record Keeping Requirements

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

a. the company identification for each coating employed;

b. the quantity of each coating employed, in gallons;

c. the total quantity of all coatings employed, in gallons;

d. the VOC content of each coating employed, in pounds/gallon;

e. the VOC emission rate from each coating employed [b x d], in pounds; and

f. the total VOC emission rate for all the coatings employed [the summation of e for all coatings], in pounds .

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit.]

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify any exceedance of the daily VOC limitation of 380.2 pounds and the daily coating usage restriction of 86.4 gallons, and the actual daily VOC emissions and the actual number of gallons of all the coatings employed for each such day, as well as the corrective actions that were taken to achieve compliance. All quarterly deviation reports shall be submitted in accordance with Paragraph A.1.c of the General Terms and Conditions of this permit.

IV. Reporting Requirements (continued)

2. The permittee shall submit annual reports which summarize the actual annual total VOC emission rate, in tons, and the actual annual total usage of all of the coatings, in gallons. These reports shall cover the previous calendar year and shall be submitted by January 31 of each year.

3. The permittee shall submit quarterly deviation (excursion) reports that identify each day during which noncomplying coatings (i.e., for VOC content) were employed in this emissions unit, as well as the corrective action(s) taken to achieve compliance. 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 Methods Requirements: Compliance with the emission limitation(s) in section B.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation: 31.7 pounds VOC/hour

Applicable Compliance Method: Compliance shall be determined by multiplying the maximum topcoat usage rate (7.18 gallons/hour) by the maximum VOC content of the all the coatings employed (lbs/gallon). Therefore, as long as the permittee complies with the allowable VOC content of 4.4 lbs/gallon, compliance with the 31.7 pounds VOC/hr limitation shall be ensured.

1.b Emission Limitation: 380.2 pounds VOC/day

Applicable Compliance Method: Compliance shall be based upon the record keeping specified in section B.III.1 of the terms and conditions of this permit.

1.c Emission Limitation: 4.4 lbs VOC/gallon of coating

Applicable Compliance Method:
The permittee shall demonstrate compliance based upon the record keeping requirements in section B.III.1 of this permit.

1.d Usage Restriction: 86.4 gallons of coatings/day

Applicable Compliance Method: Compliance with the above usage restriction shall be based upon the record keeping requirements in section B.III.1 of this permit.

1.e Usage Restriction: 15,840 gallons of coatings/year

Applicable Compliance Method: Compliance with the above usage restriction shall be based upon the record keeping requirements in section B.III.1 of this permit and shall be the sum of the daily number of gallons of coatings employed for the calendar year.

2. Any determination of the VOC content*, solids content, or density of a coating and/or cleanup material shall be based on the coating/cleanup material as applied, including the addition of any thinner or viscosity reducer to the coating/cleanup material. The permittee shall determine the composition of the coating/cleanup material by formulation data supplied by the manufacturer of the coating/cleanup material, or from data determined by an analysis of each coating/cleanup material, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses the formulation data supplied by the manufacturer, to determine data used in the calculation of the VOC content of the coating/cleanup material by Reference Method 24 or an equivalent or alternative method.

* "VOC content" means all organic compounds that are in a coating/cleanup material expressed as pounds of VOC per gallon.

VI. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: P002 SHOT BLAST (Z002)

Activity Description: SHOT BLASTER WITH BAG HOUSE ROTOBLAST

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
9 tons/hour (TPH) shotblast machine, with baghouse	OAC rule 3745-17-11(B)	21.3 pounds particulate emissions (PE)/hour
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse to control all of the PE from this emissions unit.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2 - 5 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 cyclone did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. 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 Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation: 21.3 pounds PE/hour

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the PE limitation above in accordance with OAC rule 3745-17-03(B)(10).

V. Testing Requirements (continued)

1.b Emission Limitation: Visible PE shall not exceed 20 percent opacity, as a six-minute average.

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the VE limitation above in accordance with 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

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: R001 PRIMER (Z004)

Activity Description: PRIMER TEXTURE SPRAY BOOTH

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
prime texture spray booth	OAC rule 3745-17-11(B)	None (refer to section A.I.2.a of the terms and conditions of this permit).
	OAC rule 3745-17-07(A)	None (refer to section A.I.2.b of the terms and conditions of this permit).
	OAC rule 3745-21-07(G)	None (refer to section A.II.1. of the terms and conditions of this permit).

2. Additional Terms and Conditions

2.a The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 pounds/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply since the facility is located in Huron County, which is identified as a P-3 county.

2.b This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable.

II. Operational Restrictions

1. The permittee shall not employ any coating or 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 record each day the following information for this emissions unit:

a. the company identification for each coating and cleanup material employed; and

b. an indication of whether or not each coating and cleanup material employed is a photochemically reactive material.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify each day during which noncomplying (i.e., photochemically reactive) coatings and/or cleanup materials were employed in this emissions unit, as well as the corrective action(s) taken to achieve compliance. 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

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
topcoat spray booth	OAC rule 3745-31-05 PTI No. 03-6326	19.82 pounds volatile organic compounds/hour (see B.I.2.a) 178.4 pounds VOC/day

2. Additional Terms and Conditions

2.a The 19.82 pounds VOC/hour emission limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and reporting requirements to ensure compliance with this limitation.

2.b The permittee shall employ only the following coatings in this emissions unit:

i. light gray, lead free, low bake, non-photochemically reactive topcoat (I.D. number 5997) or equivalent, with a maximum VOC content of 3.82 pounds/gallon of coating; and

ii. neutral spatter, non-photochemically reactive texture (I.D. number 5996) or equivalent, with a maximum VOC content of 3.85 pounds/gallon of coating.

II. Operational Restrictions

1. Usage of the coating referenced in B.I.2.b.ii above shall not exceed 2.45 gallons/hour, 22.05 gallons/day, and 5,400 gallons/year.

2. The permittee shall utilize a closed gun cleaner system for the cleanup operations in this emissions unit, and there shall be no VOC emissions from cleanup material usage.

3. Usage of the coating referenced in B.I.2.b.i above shall not exceed 2.72 gallons/hour, 24.48 gallons/day, and 6,000 gallons/year.

III. Monitoring and/or Record Keeping Requirements

1. The permit to install for this emissions unit (Z004) 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: butanol
TLV (ug/m3): 150,000
Maximum Hourly Emission Rate (lbs/hr): 19.87
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 993.2
MAGLC (ug/m3): 3,571

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 collect, calculate and record the following information for each day for this emissions unit:

a. the company identification of each coating employed;

b. the quantity of each coating employed, in gallons;

c. the total quantity employed of all coatings referenced in B.I.2.b.i, in gallons;

d. the total quantity employed of all coatings referenced in B.I.2.b.ii, in gallons;

e. the VOC content of each coating employed, in pounds/gallon;

f. the VOC emission rate from each coating employed, in pounds [b x e]; and

g. the total VOC emission rate for all coatings employed, in pounds [the sum of f].

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit.]

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which identify any exceedance of the following:

a. the daily VOC limitation of 178.4 pounds; and

b. the daily coatings usage restrictions of 22.05 and 24.48 gallons.

These reports shall also include the actual daily VOC emissions, the actual number of gallons employed of all of the coatings referenced in section B.I.2.b.i, and the actual number of gallons employed of all of the coatings referenced in section B.I.2.b.ii for each day when an exceedance occurs, as well as the corrective actions that were taken to achieve compliance.

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 annual reports that summarize the actual annual total VOC emission rate, in tons, and the actual annual total coatings employed, in gallons, of all of the coatings referenced in section B.I.2.b.i and of all of the coatings referenced in section B.I.2.b.ii. These reports shall cover the previous calendar year and shall be submitted by January 31 of each year.

3. The permittee shall submit quarterly deviation (excursion) reports which identify each day during which noncomplying coatings (i.e., for VOC contents) were employed in this emissions unit, as well as the corrective action(s) taken to achieve compliance. 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 Methods Requirements: Compliance with the emission limitation(s) in section B.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation: 19.82 pounds VOC/hour

Applicable Compliance Method: Compliance shall be determined by mulitplying the maximum coatings usage rate (2.72 gallons/hour) by the maximum VOC content of the all the coatings employed (lbs/gallon). Therefore, as long as the permittee complies with the allowable VOC content of 3.85 lbs/gallon, compliance with the 19.82 pounds VOC/hr limitation shall be ensured.

1.b Emission Limitation: 178.4 pounds VOC/day

Applicable Compliance Method: Compliance shall be based upon the record keeping specified in section B.III.4 of the terms and conditions of this permit.

1.c Emission Limitations:
3.82 lbs VOC/gallon of coating
3.85 lbs VOC/gallon of coating

Applicable Compliance Method:
Compliance with the VOC limitations above shall be based upon the record keeping specified in section B.III.4 of the terms and conditions of this permit.

1.d Emission Limitations:
22.05 gallons of coatings/day
24.48 gallons of coatings/day

Applicable Compliance Method: Compliance with the above shall be based upon the record keeping requirements in section B.III.4 of this permit.

V. Testing Requirements (continued)

1.e Emission Limitations:
6,000 gallons of coatings/year
5,400 gallons of coatings/year

Applicable Compliance Method: Compliance with the above shall be based upon the record keeping requirements in section B.III.4 of this permit and shall be the sum of the total daily number of gallons of coatings employed for the calendar year.

2. Any determination of the VOC content*, solids content, or density of a coating and/or cleanup material shall be based on the coating/cleanup material as applied, including the addition of any thinner or viscosity reducer to the coating/cleanup material. The permittee shall determine the composition of the coating/cleanup material by formulation data supplied by the manufacturer of the coating/cleanup material, or from data determined by an analysis of each coating/cleanup material, as received, by Reference Method 24. The Ohio EPA may require the permittee, if it uses the formulation data supplied by the manufacturer, to determine data used in the calculation of the VOC content of the coating/cleanup material by Reference Method 24 or an equivalent or alternative method.

* "VOC content" means all organic compounds that are in a coating/cleanup material expressed as pounds of VOC per gallon.

VI. Miscellaneous Requirements

None

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