



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

10/23/02

CERTIFIED MAIL

RE: Final Title V Chapter 3745-77 permit

02-50-00-0989

BAIRD BROTHERS SAWMILL INC
TIM P BAIRD
7060 CRORY RD
CANFIELD, OH 44406

Dear TIM P BAIRD:

Enclosed is the Title V permit that allows you to operate the facility in the manner indicated in the permit. Because this permit may contain several conditions and restrictions, we urge you to read it carefully.

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Review Appeals Commission within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. It is also requested by the Director that a copy of the appeal be served upon the Environmental Enforcement Section of the Office of the Attorney General. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street
Room 300
Columbus, Ohio 43215

If you have any questions, please contact Northeast District Office.

Very truly yours,

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

cc: Northeast District Office
File, DAPC PMU



State of Ohio Environmental Protection Agency

FINAL TITLE V PERMIT

Issue Date: 10/23/02	Effective Date: 10/23/02	Expiration Date: 10/23/07
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This document constitutes issuance of a Title V permit for Facility ID: 02-50-00-0989 to:
BAIRD BROTHERS SAWMILL INC
7060 CRORY RD
CANFIELD, OH 44406

Emissions Unit ID (Company ID)/Emissions Unit Activity Description

B001 (WOOD FIRED BOILER) WOOD FIRED BOILER TO BURN DRY WOOD WASTE	SEPARATE SAWDUST FROM THE AIR	SPRAYING INTERIOR TRIM AND DOORS USING SOLVENT STAINS,UV TOPCOATES AND WATER BASED PRIMERS AND TOPCOATES.EMITTING VOC AND HAPS
F001 (WOODWORKING AREA 1 AND SAW DUST SILO WITH 2 BAGHOUSES) SAWDUST HANDLING SYSTEM TO SEPARATE SAWDUST FROM THE AIR	R001 (UV SPRAY 1) SEALER AND TOPCOAT SPRAYING WITH UV COATINGS	R004 (MANUAL SPRAY BOOTH 1) MANUAL SPRAYING OF VARIOUS PARTS THAT CANNOT BE RUN ON AUTOMATIC SPRAY LINES
F002 (WOODWORKING AREA 2 WITH BAGHOUSE) SAWDUST HANDLING SYSTEM TO	R002 (MOULDING SPRAY 1) SPRAYING LINEAL MOULDINGS. COATING TYPES ARE WATER AND SOLVENT BASED STAINS AND PRIMERS.	
	R003 (DOOR LINE 1)	

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 3745-77-08(E) 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:

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

OHIO ENVIRONMENTAL PROTECTION AGENCY

Christopher Jones
Director

PART I - GENERAL TERMS AND CONDITIONS

A. *State and Federally Enforceable Section*

1. **Monitoring and Related Record Keeping and Reporting Requirements**

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - 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.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))
- 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.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))
- c. The permittee shall submit required reports in the following manner:
 - i. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))
 - ii. **For emission limitations, operational restrictions, and control device operating parameter limitations:**
 - (a) Written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring and record keeping 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. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, i.e., in Part III of this Title V permit, 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. In identifying each deviation, the permittee shall specify the applicable requirement for which the

deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. These written reports shall satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations. See B.6 below if no deviations occurred during the quarter.

(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) ,(ii) and (iii))

- (b) Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the deviation reporting requirements for this Title V permit, written reports that identify each malfunction that occurred during each calendar quarter shall be submitted, at a minimum, quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year, and shall cover the previous calendar quarters.

In identifying each deviation caused by a malfunction, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Also, if a deviation caused by a malfunction is identified in a written report submitted pursuant to paragraph (a) above, a separate report is not required for that malfunction pursuant to this paragraph. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing, at a minimum, on a quarterly basis.

Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation, operational restriction, and control device operating parameter limitation shall be reported in the same manner as described above for malfunctions. These written reports for malfunctions (and scheduled maintenance projects, if appropriate) shall satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations.

(Authority for term: OAC rules 3745-77-07(A)(3)(c)(iii))

iii. **For monitoring, record keeping, and reporting requirements:**

Written reports that identify any deviations from the federally enforceable monitoring, record keeping, 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. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. 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, record keeping, 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.

(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii))

- 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 (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."

(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

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 of any emissions unit(s) 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 OAC rule 3745-15-06, 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).

(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iii))

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.

(Authority for term: OAC rule 3745-77-07(A)(4))

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.

(Authority for term: OAC rule 3745-77-07(A)(5))

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.

(Authority for term: OAC rule 3745-77-07(A)(6))

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, in accordance with A.10 below. 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.

(Authority for term: OAC rule 3745-77-07(A)(7))

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.

(Authority for term: OAC rule 3745-77-07(A)(8))

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.

(Authority for term: OAC rule 3745-77-07(A)(9))

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.

(Authority for term: OAC rule 3745-77-07(A)(10))

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 (18) 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.
(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))

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.

(Authority for term: OAC rule 3745-77-07(B))

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 Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA 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.

(Authority for term: OAC rules 3745-77-07(C)(1),(2),(4) and (5) and ORC section 3704.03(L))

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.

(Authority for term: OAC rule 3745-77-07(F))

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).

(Authority for term: OAC rules 3745-77-07(H)(1) and (2))

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.

(Authority for term: OAC rule 3745-77-07(G))

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 of the U.S. EPA, 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.
- 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 purposes of clarification, the permittee can refer to Engineering Guide #63 that is available in the STARSHIP software package.)
(Authority for term: OAC rule 3745-77-07(I))

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.

(This term is provided for informational purposes only.)

18. Insignificant Activities

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

(Authority for term: OAC rule 3745-77-07(A)(1))

19. 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.

(Authority for term: OAC rule 3745-77-07(A)(1))

20. 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.

(Authority for term: OAC rule 3745-77-07(A)(1))

B. State Only Enforceable Section

1. Reporting Requirements Related to Monitoring and Record Keeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or record keeping 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 (i) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) 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. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. 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.)

2. 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.

3. 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.

4. 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).

5. 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.

6. 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

None

B. State Only Enforceable Section

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

Z009 - Oven 4
Z010 - Oven 1
Z011 - Oven 2
Z012 - Oven 3
Z013 - Boiler 1
Z014 - Boiler 2
Z015 - Roadways and parking areas

Each insignificant emissions unit at this facility must comply with all State and federal regulations, as well as any emissions 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: WOOD FIRED BOILER (B001)
Activity Description: WOOD FIRED BOILER TO BURN DRY WOOD WASTE

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
16.4 mmBtu/hr wood-fired boiler with a core separator	OAC rule 3745-31-05 (A)(3) PTI # 02-15333	PE: 0.10 lb/mmBtu and 7.18 tons per year SOx: 0.14 lb/mmBtu and 0.59 ton per year CO: 18.04 lb/mmBtu and 79.00 tons per year NOx: 2.71 lb/mmBtu and 11.87 tons per year OC: 0.40 lb/mmBtu and 1.75 tons per year
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).
	OAC rule 3745-17-07 (A)(1)	See A.I.2.a.
	OAC rule 3745-17-10 (C)(1)	The PE limitation established in this rule is less stringent than the limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a Visible emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule.

The visible particulate emission limitations specified above shall not apply to the following operations, provided the operations are documented in an operations log kept at the facility:

- i. the start-up of this emissions unit for a period of time required to achieve stable combustion conditions, but no more than three (3) hours from the moment of start-up ("start-up" means the commencement of firing of fuel from a cold non-fired condition);
- ii. the shutdown of this emissions unit for a period of not more than three (3) hours;
- iii. the malfunction of this emissions unit or associated equipment, if the permittee complies with the requirements of OAC rule 3745-15-06;
- iv. intermittent soot-blowing operations (the cleaning of heat transfer surfaces with pressurized air or steam);
- v. intermittent ash removal operations (the dumping or pulling of ash); and
- vi. the commencement of increased wood waste/sawdust firing from a banked condition for a period not to exceed thirty (30) minutes ("banked condition" means the condition where the fuel is burned on the grates at rates which are sufficient to maintain ignition only).

2.b The hourly emission limitations for SO₂, CO, NO_x, and OC are based upon the emissions unit's potentials to emit (PTE). Therefore, no monitoring, record keeping and reporting requirements are required to ensure ongoing compliance with these limits.

II. Operational Restrictions

1. The permittee shall burn only wood waste in this emissions unit. No bark-containing materials shall be burned in this emissions unit.
2. The permittee shall maintain the pressure drop across the core separator system within the range of 6 to 10 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than wood waste, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall maintain the following daily records for this emissions unit:
 - a. The time and duration of each start-up.
 - b. The time duration of each shutdown.
 - c. The time and duration of commencing burning from a banked condition.
 - d. The times of intermittent ash removal and soot-blowing.
 - e. The time and duration of any equipment malfunction that results in excessive plume opacity from this emissions unit.
 - f. The total hours of operation.

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

3. The permittee shall operate and maintain equipment to monitor the pressure drop across the core separator while the emissions unit is in operation. The monitoring equipment shall be installed, 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 core separator on a daily basis.
4. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than wood waste was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the core separator did not comply with the allowable range specified above.
3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective action(s) taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Northeast District Office) 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 limitations specified in section A.1. and the operational restriction in section B. of these terms and conditions shall be determined in accordance with the following methods:
2. Emissions Limitation:
PE: 0.10 lb/mmBtu

Applicable Compliance Method:

If required, compliance with the particulate emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures in OAC rule 3745-17-03.

V. Testing Requirements (continued)

3. Emission Limitation:
PE: 7.18 tons per year

Applicable Compliance Method:

The permittee shall calculate the annual particulate emission rate using the following equation:

$$E = (X \text{ lb PE/mmBtu}) (16.4 \text{ mmBtu/hr}) (Y \text{ hr/yr})(1 \text{ ton}/2000 \text{ lbs})$$

where:

E = annual particulate emissions (tons/yr)

X (PE/mmBtu) = emission rate determined from A.V.2.

16.4 mmBtu/hr = maximum heat input

Y (hr/yr) = actual hours of operation determined from A.III.2.

4. Emission Limitation:
SO₂: 0.14 pound per hour

Applicable Compliance Method:

The permittee may determine the hourly SO₂ emission rate using the following equation:

$$E = (0.00825 \text{ lb SO}_2/\text{mmBtu}) (16.4 \text{ mmBtu/hr})$$

where;

E = hourly SO₂ emission rate (lb/hr)

0.00825 lb SO₂/mmBtu = SO₂ emission factor from AP-42, Section 1.6, Wood Waste Combustion in Boilers, 2/99, Tables 1.6-1, 1.6-2, and 1.6-3.

16.4 mmBtu/hr = maximum heat input

If required by the Ohio EPA, compliance with the SO₂ emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 6 or 6C.

V. Testing Requirements (continued)

5. Emission Limitation:
SO₂: 0.59 ton per year

Applicable Compliance Method:

The permittee shall calculate the annual SO₂ emission rate using the following equation:

$$E = (0.00825 \text{ lb SO}_2/\text{mmBtu}) (16.4 \text{ mmBtu/hr}) (Y \text{ hr/yr})(1 \text{ ton}/2000 \text{ lbs})$$

where;

E = annual SO₂ emission rate (ton/yr)

0.00825 lb SO₂/mmBtu = SO₂ emission factor from AP-42, Section 1.6, Wood Waste Combustion in Boilers, 2/99, Tables 1.6-1, 1.6-2, and 1.6-3.

16.4 mmBtu/hr = maximum heat input

Y = actual hours of operation determined from A.III.2.

6. Emission Limitation:
CO: 18.04 pounds per hour

Applicable Compliance Method:

The permittee may determine the hourly CO emission rate using the following equation:

$$E = (X \text{ lb CO}/\text{mmBtu}) (16.4 \text{ mmBtu/hr})$$

where;

E = hourly CO emission rate (lb/hr)

X (lb CO/mmBtu) = emission rate determined from A.V.2.

16.4 mmBtu/hr = maximum heat input

If required, compliance with the CO emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 10.

7. Emission Limitation:
CO: 79.00 tons per year

Applicable Compliance Method:

The permittee shall calculate the annual CO emission rate using the following equation:

$$E = (X \text{ lb CO}/\text{mmBtu}) (16.4 \text{ mmBtu/hr}) (Y \text{ hr/yr})(1 \text{ ton}/2000 \text{ lbs})$$

where;

E = annual CO emission rate (tons/yr)

X (lb CO/mmBtu) = emission rate determined from A.V.2.

16.4 mmBtu/hr = maximum heat input

Y (hr/yr) = actual hours of operation determined from A.III.2.

V. Testing Requirements (continued)

8. Emission Limitation:
NOx: 2.71 pounds per hour

Applicable Compliance Method:

The permittee may determine the hourly NOx emission rate using the following equation:

$$E = (X \text{ lb NOx/mmBtu}) (16.4 \text{ mmBtu/hr})$$

where;

E = hourly NOx emission rate (lb/hr)

X (lb NOx/mmBtu) = emission rate determined from A.V.2.

16.4 mmBtu/hr = maximum heat input

If required, compliance with the NOx emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 7 or 7E.

9. Emission Limitation:
NOx: 11.87 tons per year

Applicable Compliance Method:

The permittee shall calculate the annual NOx emission rate using the following equation:

$$E = (X \text{ lb NOx/mmBtu}) (16.4 \text{ mmBtu/hr}) (Y \text{ hr/yr}) (1 \text{ ton}/2000 \text{ lbs})$$

where;

E = annual NOx emission rate (tons/yr)

X (lb NOx/mmBtu) = emission rate determined from A.V.2.

16.4 mmBtu/hr = maximum heat input

Y (hr/yr) = actual hours of operation determined from A.III.2.

V. Testing Requirements (continued)

- 10.** Emission Limitation:
OC: 0.40 pound per hour

Applicable Compliance Method:

The permittee may determine the hourly OC emission rate using the following equation:

$$E = (0.0242 \text{ lb OC/mmBtu}) (16.4 \text{ mmBtu/hr})$$

where;

E = hourly OC emission rate (lb/hr)

0.0242 lb OC/mmBtu = OC emission factor from AP-42, Section 1.6, Wood Waste Combustion in Boilers, 2/99, Tables 1.6-1, 1.6-2, and 1.6-3.

16.4 mmBtu/hr = maximum heat input

If required by the Ohio EPA, compliance with the OC emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Methods 18, 25, or 25A.

- 11.** Emission Limitation:
OC: 1.75 tons per year

Applicable Compliance Method:

The permittee shall calculate the annual OC emission rate using the following equation:

$$E = (0.0242 \text{ lb OC/mmBtu}) (16.4 \text{ mmBtu/hr}) (Y \text{ hr/yr}) (1 \text{ ton}/2000 \text{ lbs})$$

where;

E = annual OC emission rate (ton/yr)

0.0242 lb OC/mmBtu = OC emission factor from AP-42, Section 1.6, Wood Waste Combustion in Boilers, 2/99, Tables 1.6-1, 1.6-2, and 1.6-3.

16.4 mmBtu/hr = maximum heat input

Y= actual hours of operation determined from A.III.2.

- 12.** Emission Limitation
20% opacity as a six-minute average, except as provided by rule

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B).

V. Testing Requirements (continued)

- 13.** The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
- a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to the expiration of the permit.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for particulates, carbon monoxide, and nitrogen oxides.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Methods 1-5, 7 or 7E, and 10 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA- approved test methods may be used with prior approval from the Ohio EPA, Northeast District Office.
 - d. The tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Northeast District Office.
- 14.** Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Northeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA, Northeast District Office's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA, Northeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, Northeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA, Northeast District Office.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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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: WOODWORKING AREA 1 AND SAW DUST SILO WITH 2 BAGHOUSES (F001)
Activity Description: SAWDUST HANDLING SYSTEM TO SEPARATE SAWDUST FROM THE AIR

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Woodworking area #1 and sawdust silo, each controlled by a baghouse (See A.I.2.c.)	OAC rule 3745-31-05 (A)(3) PTI#: 02-13601	PE: 0.01 grain per dry standard cubic foot of exhaust gases, 6.15 pounds per hour and 26.89 tons per year from the baghouses (total emissions). The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A) and (B) and 3745-17-08(B).
	OAC rule 3745-17-07 (A)	Visible PE from the stacks shall not exceed twenty percent opacity as a six-minute average, except as provided by rule.
	OAC rule 3745-17-07 (B)	Visible fugitive PE shall not exceed twenty percent, as a three-minute average.
	OAC rule 3745-17-08	See A.I.2.a.
	OAC rule 3745-17-11	See A.I.2.b.

2. Additional Terms and Conditions

- The permittee shall minimize or eliminate visible fugitive particulate emissions through the employment of reasonably available control measures (RACM). These measures shall include, but not be limited to, the installation and use of hoods, fans, and other equipment to adequately enclose, contain, capture, and vent the fugitive dust to the baghouse systems. The collection efficiency shall be sufficient to minimize or eliminate visible particulate emissions of fugitive dust at the point(s) of capture to the extent possible with good engineering design.

2. Additional Terms and Conditions (continued)

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

2.c This emissions unit consists of the following equipment:

Equipment Description	Control Device Employed
sanders, planers and misc. woodworking equipment	Moldow # 1 fabric filter
sawdust silo	Pneumafil fabric filter

All of the above-mentioned equipment shall be vented to the baghouses.

II. Operational Restrictions

1. The pressure drop across each baghouse shall be maintained within the range of 2 to 4 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain equipment to monitor the pressure drop across each baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, 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 baghouses on a daily basis.

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

- a. the 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 any visible emissions incident; and
- e. any corrective actions taken to eliminate the visible emissions.

3. 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 the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the 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 any visible emissions incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

IV. Reporting Requirements

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

IV. Reporting Requirements (continued)

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stacks serving this emissions unit, (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Northeast District Office) by January 31 and July 31 of each year and shall cover the previous six-month period.
3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from the from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit, and (b) describe any corrective actions taken to minimize or eliminate the fugitive particulate emissions. These reports shall be submitted to the Director (the Northeast District Office) by January 31 and July 31 of each year and shall cover the previous six-month period.

V. Testing Requirements

1. Compliance with the emission limitations specified in section A.1. and the operational restriction in section B. of these terms and conditions shall be determined in accordance with the following methods:

2. Emissions Limitation:
PE: 0.01 grain per dry standard cubic foot of exhaust gases and 6.15 pounds per hour

Applicable Compliance Method:

If required by the Ohio EPA, compliance with the particulate emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures outlined in OAC rule 3745-17-03.

3. Emissions Limitation:
PE: 26.89 tons per year

Applicable Compliance Method:

This limit is based on the allowable hourly emissions rate (6.15 lbs/hr) multiplied by the maximum possible operating hours (8760 hr/yr), and divided by 2000 lb/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

4. Emissions Limitation:
Twenty percent opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance with the allowable visible emission limitation shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures outlined in OAC rule 3745-17-03.

5. Emissions Limitation:
Twenty percent opacity, as a three-minute average.

Applicable Compliance Method:

Compliance with the visible emission limitation for the fugitive particulate emissions shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(3) and (B)(3)(b) of OAC rule 3745-17-03.

V. Testing Requirements (continued)

6. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 3 months after issuance of the permit.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for particulates.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rates. Methods 1-5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA, Northeast District Office.
 - d. The tests shall be conducted for each baghouse while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Northeast District Office.
7. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Northeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA, Northeast District Office's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA, Northeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, Northeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA, Northeast District Office.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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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: WOODWORKING AREA 2 WITH BAGHOUSE (F002)
Activity Description: SAWDUST HANDLING SYSTEM TO SEPARATE SAWDUST FROM THE AIR

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Woodworking area #2 with baghouse (See A.I.2.c.)	OAC rule 3745-31-05 (A)(3) PTI#: 02-13601	PE: 0.01 grain per dry standard cubic foot of exhaust gases, 2.40 pounds per hour and 10.51 tons per year from the baghouse. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A) and (B) and 3745-17-08(B).
	OAC rule 3745-17-07 (A)	Visible PE from the stack shall not exceed twenty percent opacity as a six-minute average, except as provided by rule.
	OAC rule 3745-17-07 (B)	Visible fugitive PE shall not exceed twenty percent, as a three-minute average.
	OAC rule 3745-17-08	See A.I.2.a.
	OAC rule 3745-17-11	See A.I.2.b.

2. Additional Terms and Conditions

- 2.a The permittee shall minimize or eliminate visible fugitive particulate emissions through the employment of reasonably available control measures (RACM). These measures shall include, but not be limited to, the installation and use of hoods, fans, and other equipment to adequately enclose, contain, capture, and vent the fugitive dust to the baghouse.

The collection efficiency shall be sufficient to minimize or eliminate visible particulate emissions of fugitive dust at the point(s) of capture to the extent possible with good engineering design.

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

2. Additional Terms and Conditions (continued)

2.c The emission unit consists of the following egress point:

Air Pollution Emissions Unit Description	Control Device Type
sanders, planers and misc. woodworking equipment	Moldow # 2 fabric filter

All the above-mentioned equipment shall be vented to the baghouse.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2 to 4 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, 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 daily basis.
2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the 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 any visible emissions incident; and
 - e. any corrective actions taken to eliminate the visible emissions.
3. 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 the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the 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 any visible emissions incident; and
 - e. any corrective actions taken to minimize or eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit 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 semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stacks serving this emissions unit, (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Northeast District Office) by January 31 and July 31 of each year and shall cover the previous six-month period.

IV. Reporting Requirements (continued)

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from the from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit, and (b) describe any corrective actions taken to minimize or eliminate the fugitive particulate emissions. These reports shall be submitted to the Director (the Northeast District Office) by January 31 and July 31 of each year and shall cover the previous six-month period.

V. Testing Requirements

1. Compliance with the emission limitations specified in section A.1. and the operational restriction in section B. of these terms and conditions shall be determined in accordance with the following methods:

2. Emissions Limitation:
PE: 0.01 grain per dry standard cubic foot of exhaust gases and 2.40 pounds per hour

Applicable Compliance Method:

If required by the Ohio EPA, compliance with the particulate emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures outlined in OAC rule 3745-17-03.

3. Emissions Limitation:
PE: 10.51 tons per year

Applicable Compliance Method:

This limit is based on the allowable hourly emissions rate (2.40 lbs/hr) multiplied by the maximum possible operating hours (8760 hr/yr), and divided by 2000 lb/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

4. Emissions Limitation:
Twenty percent opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance with the allowable visible emission limitation shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures outlined in OAC rule 3745-17-03.

5. Emissions Limitation:
Twenty percent opacity, as a three-minute average.

Applicable Compliance Method:

Compliance with the visible emission limitation for the fugitive particulate emissions shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(3) and (B)(3)(b) of OAC rule 3745-17-03.

6. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

- a. The emission testing shall be conducted within 3 months after issuance of the permit.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for particulates.
- c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rates: Methods 1-5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA, Northeast District Office.
- d. The test shall be conducted for the baghouse while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Northeast District Office.

V. Testing Requirements (continued)

7. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Northeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA, Northeast District Office's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA, Northeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, Northeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA, Northeast District Office.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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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: UV SPRAY 1 (R001)
Activity Description: SEALER AND TOPCOAT SPRAYING WITH UV COATINGS

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
UV spray booth #1	OAC rule 3745-31-05 (A)(3) PTI#: 02-13601	OC: 14.64 pounds per hour and 14.26 tons per year The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-07 (G)(2), 3745-17-07(A), and 3745-17-11.
	OAC rule 3745-21-07 (G)(2)	See A.I.2.a.
	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed twenty percent opacity, as a six-minute average, except as provided by the rule.
	OAC rule 3745-17-11	PE: 0.551 lb/hr

2. Additional Terms and Conditions

- 2.a This emissions unit shall not employ any photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), as coatings or cleanup materials.

II. Operational Restrictions

1. The permittee shall use dry filters whenever this emissions unit is in operation for the control of the overspray.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records that document any time period(s) when the dry filters were not in service when the emissions unit was in operation.

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

2. The permittee shall maintain monthly records of the following information:
 - a. the name and identification number of each coating and cleanup material employed and documentation as to whether or not each is a photochemically reactive material;
 - b. the amount of each coating and cleanup material used, in gallons;
 - c. the OC content of each coating and cleanup material, in pounds of OC per gallon;
 - d. the total OC emissions for all the coatings and cleanup materials employed, i.e., the summation of b x c for all coatings and cleanup materials employed, in pounds;
 - e. the total number of hours of operation; and
 - f. the average hourly OC emissions, i.e., d/e, in pounds per hour.

IV. Reporting Requirements

1. The permittee shall submit the quarterly deviation (excursion) reports in accordance with paragraph A.1.c. of the General Terms and Conditions of this permit.
2. The permittee shall notify the Director (the Northeast District Office) in writing of any daily record that documents any time period(s) when the dry filters were not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the Northeast District Office) within 45 days after the occurrence.
3. The permittee shall submit quarterly deviation (excursion) reports that identify each exceedance of the hourly OC emission limitation and each day when a photochemically reactive material was employed.
4. The permittee shall submit annual reports by January 31 of each year, that summarize the total OC emissions from this emissions unit for the previous calendar year.

V. Testing Requirements

1. Compliance with the emission limitations specified in section A.1. of these terms and conditions shall be determined in accordance with the following methods:
2. Emission Limitation:
OC: 14.64 pounds per hour

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in Section A.III.2. The OC content of each coating and cleanup material used shall be based upon formulation data or U.S. EPA Method 24.
3. Emission Limitation:
OC: 14.26 tons per year

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in Section A.III.2. and shall be the sum of the monthly OC emissions.

V. Testing Requirements (continued)

4. Emission Limitation:

0.551 lb particulate emissions(PE)/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for particulate emissions, the following equation shall be used:

$PE = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$

Where,

PE = particulate emission rate (lb/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

5. Emission Limitation:

20% opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

U.S.EPA reference Method 9, if required by the Ohio EPA

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
UV spray booth #1		

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 R001 was evaluated based on the actual materials (typically coatings and cleanup 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 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: Ethanol
TLV (mg/m³): 1884
Maximum Hourly Emission Rate (lbs/hr): 1.60
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m³): 2101
MAGLC (ug/m³): 44,900

Pollutant: isopropyl acetate
TLV (mg/m³): 1044
Maximum Hourly Emission Rate (lbs/hr): 0.83
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m³): 2101
MAGLC (ug/m³): 24,900

Pollutant: n-butyl acetate
TLV (mg/m³): 712.6
Maximum Hourly Emission Rate (lbs/hr): 3.66
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m³): 2101
MAGLC (ug/m³): 17,000

Pollutant: isobutyl acetate
TLV (mg/m³): 712.6
Maximum Hourly Emission Rate (lbs/hr): 2.39
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m³): 2101
MAGLC (ug/m³): 17,000

Pollutant: toluene
TLV (mg/m³): 188.4
Maximum Hourly Emission Rate (lbs/hr): 0.39
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m³): 2101
MAGLC (ug/m³): 4500

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

Pollutant: xylene
TLV (mg/m3): 434.2
Maximum Hourly Emission Rate (lbs/hr): 0.23
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 2101
MAGLC (ug/m3): 10,300

Pollutant: methyl ethyl ketone(MEK)
TLV (mg/m3): 589.8
Maximum Hourly Emission Rate (lbs/hr): 0.06
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 2101
MAGLC (ug/m3): 14,000

Pollutant: 2-butoxyethanol
TLV (mg/m3): 96.7
Maximum Hourly Emission Rate (lbs/hr): 0.05
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 2101
MAGLC (ug/m3): 2300

Pollutant: methanol
TLV (mg/m3): 262.1
Maximum Hourly Emission Rate (lbs/hr): 0.16
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 2101
MAGLC (ug/m3): 6200

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 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 for coating 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., increase/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.

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

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.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: MOULDING SPRAY 1 (R002)

Activity Description: SPRAYING LINEAL MOULDINGS. COATING TYPES ARE WATER AND SOLVENT BASED STAINS AND PRIMERS.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Moulding spray booth #1	OAC rule 3745-31-05 (A)(3) PTI#: 02-13601	OC: 11.52 pounds per hour and 30.82 tons per year The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-07 (G)(2), 3745-17-07(A), and 3745-17-11.
	OAC rule 3745-21-07 (G)(2)	See A.I.2.a.
	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed twenty percent opacity, as a six-minute average, except as provided by the rule.
	OAC rule 3745-17-11	PE: 0.551 lb/hr

2. Additional Terms and Conditions

- 2.a This emissions unit shall not employ any photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), as coatings or cleanup materials.

II. Operational Restrictions

1. The permittee shall use dry filters whenever this emissions unit is in operation for the control of the overspray.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records that document any time period(s) when the dry filters were not in service when the emissions unit was in operation.

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

2. The permittee shall maintain monthly records of the following information:
 - a. the name and identification number of each coating and cleanup material employed and documentation as to whether or not each is a photochemically reactive material;
 - b. the amount of each coating and clean upmaterial used, in gallons;
 - c. the OC content of each coating and cleanup material, in pounds of OC per gallon;
 - d. the total OC emissions for all the coatings and cleanup materials employed, i.e., the summation of b x c for all coatings and cleanup materials employed, in pounds;
 - e. the total number of hours of operation; and
 - f. the average hourly OC emissions, i.e., d/e, in pounds per hour

IV. Reporting Requirements

1. The permittee shall submit the quarterly deviation (excursion) reports in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall notify the Director (the Northeast District Office) in writing of any daily record that documents any time period(s) when the dry filters were not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the occurrence.
3. The permittee shall submit quarterly deviation (excursion) that identify each exceedence of the hourly OC emission limitation and each day when a photochemically reactive material was employed.
4. The permittee shall submit annual reports by January 31 of each year, that summarize the total OC emissions from this emissions unit for the previous calendar year.

V. Testing Requirements

1. Compliance with the emission limitations specified in section A.1. of these terms and conditions shall be determined in accordance with the following methods:
2. Emission Limitation:
OC: 11.52 pounds per hour

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in Section A.III.2. The OC content of each coating and cleanup material used shall be based upon formulation data or U.S. EPA Method 24.
3. Emission Limitation:
OC: 30.82 tons per year

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in Section A.III.2. and shall be the sum of the monthly OC emissions.

V. Testing Requirements (continued)

4. Emission Limitation:

0.551 lb particulate emissions(PE)/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for particulate emissions, the following equation shall be used:

$PE = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$

Where,

PE = particulate emission rate (lb/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

5. Emission Limitation:

20% opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

U.S.EPA reference Method 9, if required by the Ohio EPA

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Moulding spray booth #1		

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 R002 was evaluated based on the actual materials (typically coatings and cleanup 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 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: Ethanol
TLV (mg/m3): 1884
Maximum Hourly Emission Rate (lbs/hr): 3.50
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 2101
MAGLC (ug/m3): 44,900

Pollutant: isopropyl acetate
TLV (mg/m3): 1044
Maximum Hourly Emission Rate (lbs/hr): 1.81
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 2101
MAGLC (ug/m3): 24,900

Pollutant: n-butyl acetate
TLV (mg/m3): 712.6
Maximum Hourly Emission Rate (lbs/hr): 0.21
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 2101
MAGLC (ug/m3): 17,000

Pollutant: isobutyl acetate
TLV (mg/m3): 712.6
Maximum Hourly Emission Rate (lbs/hr): 5.22
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 2101
MAGLC (ug/m3): 17,000

Pollutant: toluene
TLV (mg/m3): 188.4
Maximum Hourly Emission Rate (lbs/hr): 0.85
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 2101
MAGLC (ug/m3): 4500

Pollutant: methyl isoamyl ketone
TLV (mg/m3): 233.54
Maximum Hourly Emission Rate (lbs/hr): 0.47
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 2101
MAGLC (ug/m3): 5560.42

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

Pollutant: xylene
TLV (mg/m3): 434.2
Maximum Hourly Emission Rate (lbs/hr): 0.49
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 2101
MAGLC (ug/m3): 10,300

Pollutant: methyl ethyl ketone(MEK)
TLV (mg/m3): 589.8
Maximum Hourly Emission Rate (lbs/hr): 0.13
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 2101
MAGLC (ug/m3): 14,000

Pollutant: 2-butoxyethanol
TLV (mg/m3): 96.7
Maximum Hourly Emission Rate (lbs/hr): 0.12
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 2101
MAGLC (ug/m3): 2300

Pollutant: methanol
TLV (mg/m3): 262.1
Maximum Hourly Emission Rate (lbs/hr): 0.35
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 2101
MAGLC (ug/m3): 6200

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 any change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be 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 for coating 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., increase/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.

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

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.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: DOOR LINE 1 (R003)

Activity Description: SPRAYING INTERIOR TRIM AND DOORS USING SOLVENT STAINS,UV TOPCOATES AND WATER BASED PRIMERS AND TOPCOATES.EMITTING VOC AND HAPS

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Door line spray booth #1	OAC rule 3745-31-05 (A)(3) PTI#: 02-13601	OC: 16.42 pounds per hour and 23.71 tons per year The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-07 (G)(2), 3745-17-07(A), and 3745-17-11.
	OAC rule 3745-21-07 (G)(2)	See A.I.2.a.
	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed twenty percent opacity, as a six-minute average, except as provided by the rule.
	OAC rule 3745-17-11	PE: 0.551 lb/hr

2. Additional Terms and Conditions

- This emissions unit shall not employ any photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), as coatings or cleanup materials.

II. Operational Restrictions

- The permittee shall use dry filters whenever this emissions unit is in operation for the control of the overspray.

III. Monitoring and/or Record Keeping Requirements

- The permittee shall maintain monthly records that document any time period(s) when the dry filters were not in service when the emissions unit was in operation.

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

2. The permittee shall maintain monthly records of the following information:
 - a. the name and identification number of each coating and cleanup material employed and documentation as to whether or not each is a photochemically reactive material;
 - b. the amount of each coating and cleanup material used, in gallons;
 - c. the OC content of each coating and clean up material, in pounds of OC per gallon;
 - d. the total OC emissions for all the coatings and cleanup materials employed, i.e., the summation of b x c for all coatings and cleanup materials, in pounds;
 - e. the total number of hours of operation; and
 - f. the average hourly OC emissions, i.e., d/e, in pounds per hour.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports in accordance with paragraph A.1.c. of the General Terms and Conditions of this permit.
2. The permittee shall notify the Director (the Northeast District Office) in writing of any daily record that documents any time period(s) when the dry filters were not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the occurrence.
3. The permittee shall submit quarterly deviation (excursion) reports that identify each exceedence of the hourly OC emission limitation and each day when a photochemically reactive material was employed.
4. The permittee shall submit annual reports by January 31 of each year, that summarize the total OC emissions from this emissions unit for the previous calendar year.

V. Testing Requirements

1. Compliance with the emission limitations specified in section A.1. of these terms and conditions shall be determined in accordance with the following methods:
2. Emission Limitation:
OC: 16.42 pounds per hour

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in Section A.III.2. The OC content of each coating and cleanup material used shall be based upon formulation data or U.S. EPA Method 24.
3. Emission Limitation:
OC: 23.71 tons per year

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in Section A.III.2. and shall be the sum of the monthly OC emissions.

V. Testing Requirements (continued)

4. Emission Limitation:

0.551 lb particulate emissions(PE)/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for particulate emissions, the following equation shall be used:

$PE = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$

Where,

PE = particulate emission rate (lb/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

5. Emission Limitation:

20% opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

U.S.EPA reference Method 9, if required by the Ohio EPA

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Door line spray booth #1		

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 R003 was evaluated based on the actual materials (typically coatings and cleanup 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 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: Ethanol
TLV (mg/m³): 1884
Maximum Hourly Emission Rate (lbs/hr): 2.60
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m³): 380.5
MAGLC (ug/m³): 44,900

Pollutant: isopropyl acetate
TLV (mg/m³): 1044
Maximum Hourly Emission Rate (lbs/hr): 1.40
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m³): 380.5
MAGLC (ug/m³): 24,900

Pollutant: n-butyl acetate
TLV (mg/m³): 712.6
Maximum Hourly Emission Rate (lbs/hr): 4.1
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m³): 380.5
MAGLC (ug/m³): 17,000

Pollutant: isobutyl acetate
TLV (mg/m³): 712.6
Maximum Hourly Emission Rate (lbs/hr): 3.88
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m³): 380.5
MAGLC (ug/m³): 17,000

Pollutant: toluene
TLV (mg/m³): 188.4
Maximum Hourly Emission Rate (lbs/hr): 1.15
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m³): 380.5
MAGLC (ug/m³): 4500

Pollutant: acetone
TLV (mg/m³): 1187.12
Maximum Hourly Emission Rate (lbs/hr): 1.90
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m³): 90.83
MAGLC (ug/m³): 28264

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

Pollutant: xylene
TLV (mg/m3): 434.2
Maximum Hourly Emission Rate (lbs/hr): 0.37
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 380.5
MAGLC (ug/m3): 10,300

Pollutant: methyl ethyl ketone(MEK)
TLV (mg/m3): 589.8
Maximum Hourly Emission Rate (lbs/hr): 0.09
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 380.5
MAGLC (ug/m3): 14,000

Pollutant: 2-butoxyethanol
TLV (mg/m3): 96.7
Maximum Hourly Emission Rate (lbs/hr): 0.09
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 380.5
MAGLC (ug/m3): 2300

Pollutant: methanol
TLV (mg/m3): 262.1
Maximum Hourly Emission Rate (lbs/hr): 0.26
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 380.5
MAGLC (ug/m3): 6200

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 any change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be 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 for coating 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., increase/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.

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

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.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: MANUAL SPRAY BOOTH 1 (R004)

Activity Description: MANUAL SPRAYING OF VARIOUS PARTS THAT CANNOT BE RUN ON AUTOMATIC SPRAY LINES

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Manual spray booth #1	OAC rule 3745-31-05 (A)(3) PTI#: 02-13601	OC: 1.78 pounds per hour and 2.25 tons per year The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-07 (G)(2), 3745-17-07(A), and 3745-17-11.
	OAC rule 3745-21-07 (G)(2)	See A.I.2.a.
	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed twenty percent opacity, as a six-minute average, except as provided by the rule.
	OAC rule 3745-17-11	PE: 0.551 lb/hr

2. Additional Terms and Conditions

- 2.a This emissions unit shall not employ any photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), as coatings or cleanup materials.

II. Operational Restrictions

1. The permittee shall use dry filters whenever this emissions unit is in operation for the control of the overspray.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records that document any time period(s) when the dry filters were not in service when the emissions unit was in operation.

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

2. The permittee shall maintain monthly records of the following information:
 - a. the name and identification number of each coating and cleanup material employed and documentation as to whether or not each is a photochemically reactive material;
 - b. the amount of each coating and cleanup material used, in gallons;
 - c. the OC content of each coating and cleanup material, in pounds of OC per gallon;
 - d. the total OC emissions for all the coatings and cleanup materials employed, i.e., the summation of b x c for all coatings and cleanup materials employed, in pounds;
 - e. the total number of hours of operation; and
 - f. the average hourly OC emissions, i.e., d/e, in pounds per hour

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall notify the Director (the Northeast District Office) in writing of any daily record that documents any time period(s) when the dry filters were not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the occurrence.
3. The permittee shall submit quarterly deviation (excursion) reports that identify each exceedence of the hourly OC emission limitation and each day when a photochemically reactive material was employed.
4. The permittee shall submit annual reports by January 31 of each year, that summarize the total OC emissions from this emissions unit for the previous calendar year.

V. Testing Requirements

1. Compliance with the emission limitations specified in section A.1. and the operational restriction in section B. of these terms and conditions shall be determined in accordance with the following methods:
2. Emission Limitation:
OC: 1.78 pounds per hour

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in Section A.III.2. The OC content of each coating and cleanup material used shall be based upon formulation data or U.S. EPA Method 24.
3. Emission Limitation:
OC: 2.25 tons per year

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in Section A.III.2.

V. Testing Requirements (continued)

4. Emission Limitation:

0.551 lb particulate emissions(PE)/hr

Applicable Compliance Method:

To determine the actual worst case emission rate for particulate emissions, the following equation shall be used:

$$PE = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

Where,

PE = particulate emission rate (lb/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment

5. Emission Limitation:

20% opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

U.S.EPA reference Method 9, if required by the Ohio EPA

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Manual spray booth #1		

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 R004 was evaluated based on the actual materials (typically coatings and cleanup 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 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: Ethanol
TLV (mg/m³): 1884
Maximum Hourly Emission Rate (lbs/hr): 0.23
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m³): 530.1
MAGLC (ug/m³): 44,900

Pollutant: isopropyl acetate
TLV (mg/m³): 1044
Maximum Hourly Emission Rate (lbs/hr): 0.12
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m³): 530.1
MAGLC (ug/m³): 24,900

Pollutant: n-butyl acetate
TLV (mg/m³): 712.6
Maximum Hourly Emission Rate (lbs/hr): 0.01
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m³): 530.1
MAGLC (ug/m³): 17,000

Pollutant: isobutyl acetate
TLV (mg/m³): 712.6
Maximum Hourly Emission Rate (lbs/hr): 0.35
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m³): 530.1
MAGLC (ug/m³): 17,000

Pollutant: toluene
TLV (mg/m³): 188.4
Maximum Hourly Emission Rate (lbs/hr): 0.06
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m³): 530.1
MAGLC (ug/m³): 4500

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

Pollutant: xylene
TLV (mg/m3): 434.2
Maximum Hourly Emission Rate (lbs/hr): 0.03
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 530.1
MAGLC (ug/m3): 10,300

Pollutant: methyl ethyl ketone(MEK)
TLV (mg/m3): 589.8
Maximum Hourly Emission Rate (lbs/hr): 0.009
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 530.1
MAGLC (ug/m3): 14,000

Pollutant: 2-butoxyethanol
TLV (mg/m3): 96.7
Maximum Hourly Emission Rate (lbs/hr): 0.007
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 530.1
MAGLC (ug/m3): 2300

Pollutant: methanol
TLV (mg/m3): 262.1
Maximum Hourly Emission Rate (lbs/hr): 0.02
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 530.1
MAGLC (ug/m3): 6200

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 any change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be 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 for coating 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., increase/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.

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

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.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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