State of Ohio Environmental Protection Agency

Street Address:
Lazarus Gov. Center
50 West Town Street, Suite 700
Columbus, OH 43215

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

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

CERTIFIED MAIL

RE: DRAFT PERMIT TO INSTALL MODIFICATION
GEAUGA COUNTY
Application No: 02-20473
Fac ID: 0228000213

	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

DATE: 2/27/2007

Kraftmaid Cabinetry Inc
Bennett Wetzel
15535 South State St.
Middlefield, OH 44062

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install modification for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit modification. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit modification should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install modification may be issued in proposed of final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install modification a fee of **$ 1000** will be due. Please do not submit any payment now.

The Ohio EPA is urging 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. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Permit Issuance and Data Management Section at (614) 644-3631.

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

CC: **USEPA** **NEDO** **PA**

GEAUGA COUNTY

PUBLIC NOTICE
ISSUANCE OF DRAFT PERMIT TO INSTALL **02-20473** FOR AN AIR CONTAMINANT SOURCE FOR
Kraftmaid Cabinetry Inc

On 2/27/2007 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **Kraftmaid Cabinetry Inc**, located at **15535 S State Ave, Middlefield**, Ohio.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 02-20473:

Modification of emissions testing requirements.

Comments concerning this draft action, or a request for a public meeting, must be sent in writing to the address identified below no later than thirty (30) days from the date this notice is published. All inquiries concerning this draft action may be directed to the contact identified below.

Dennis Bush, Ohio EPA, Northeast District Office, 2110 East Aurora Road, Twinsburg, OH 44087
[(330)425-9171]

DRAFT MODIFICATION OF PERMIT TO INSTALL 02-20473

Application Number: 02-20473

Facility ID: 0228000213

Permit Fee: **To be entered upon final issuance**

Name of Facility: Kraftmaid Cabinetry Inc

Person to Contact: Bennett Wetzel

Address: 15535 South State St.
Middlefield, OH 44062

Location of proposed air contaminant source(s) [emissions unit(s)]:
15535 S State Ave
Middlefield, **Ohio**

Description of proposed emissions unit(s):
Modification of emissions testing requirements.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

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

b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) quarterly by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and

regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

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

6. Permit Transfers

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

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions

may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

13. Source Operation and Operating Permit Requirements After Completion of Construction

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this

permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the emissions unit(s) covered by this permit.

14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons Per Year
PE	110.261
PM-10	64.261

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F002 is a paper bailer with a product collector cyclone, P2-10908 (former facility ID P2-898).	OAC rule 3745-31-05 (A)(3)	0.011 ton particulate emissions (PE) per year and 0.011 ton particulate matter less than 10 microns (PM-10) per year from the bailer 0% visible fugitive emissions, as a three-minute average from the bailer 14.24 tons PE per year and 14.24 tons PM-10 per year from the product collector cyclone
	OAC rule 3745-17-07 (B)	20% visible fugitive emissions as a three-minute average from the cyclone
	OAC rule 3745-17-08 (B) OAC rule 3745-17-07 (B)	The requirements specified in OAC rule 3745-31-05 (A)(3) also include the requirements specified in OAC rules 3745-17- 08 (B) for the bailer and for the cyclone and 3745-17-07 (B) for the bailer.

2. Additional Terms and Conditions

2.a None

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B. Operational Restrictions

None

C. Monitoring and/or Record keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust from the bailer. 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. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust from the cyclone stack. 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 emission incident; and
   e. any corrective actions taken to minimize or eliminate the visible emissions.

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

3. Notwithstanding the frequency of reporting requirements specified above, the permittee may reduce the frequency of visual observations from daily to weekly for the bailer and/or the cyclone if the following conditions are met:

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a. for 1 full quarter the facility's visual observations indicate no visible emissions; and

b. the permittee continues to comply with all the record keeping and monitoring requirements specified above.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions of fugitive dust were observed from the bailer and (b) describe any corrective actions taken to minimize or eliminate the visible emissions. These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any abnormal visible emissions of fugitive dust were observed from the cyclone serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the abnormal visible emissions. These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods.

E. Testing Requirements

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

a. <u>Emission Limitation</u>
0% visible fugitive emissions, as a three-minute average from the bailer and 20% visible fugitive emissions as a three-minute average from the cyclone

<u>Applicable Compliance Method</u>
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if requested

b. Emission Limitation
0.011 ton PE per year and 0.011 ton PM-10 per year from the paper bailer

<u>Applicable Compliance Method</u>
Compliance was demonstrated by a one time calculation based upon the maximum loading as follows:

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42 tons sawdust/year x 2 lbs/ton* x 1 ton/2000 lbs x (1 - .75)** = 0.011 ton/year

* emission factor of 2 lbs/ton RACM, Table 2.17-1
**estimated control efficiency is 75%

c. Emission Limitation
14.24 tons PE per year and 14.24 tons PM-10 per year from the cyclone

Applicable Compliance Method
Compliance was demonstrated by a one time calculation based upon the maximum dust loading as follows:

TPY = 11,500 cf/min* x 60 min/hour x 0.03 grain/cf** x 1 lb/7000 grains x 1 ton/2000 lbs x 8760 hours/year = 14.24

F. Miscellaneous Requirements

None

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F003 is a grinder with an air return cyclone, P2-10910 (former facility ID P2-900). See section A.I.2.a.	OAC rule 3745-31-05 (A)(3)	3.07 tons particulate emissions (PE) and 3.07 tons particulate emissions less than 10 microns (PM-10) per year from the grinder
	OAC rule 3745-17- 07 (B)	20% visible fugitive emissions, as a three-minute average, from the grinder
	OAC rule 3745-17- 08 (B)	The requirements specified in OAC rule 3745-17-08 (B) are less restrictive than the requirements specified in OAC rule 3745-13- 05 (A)(3).

2. Additional Terms and Conditions

2.a The cyclone exhaust does not vent into the atmosphere. Rather, the exhaust air from the cyclone is recirculated into the grinder and becomes process air in the grinder. The grinder has an opening through which excess air escapes.

B. Operational Restrictions

None

C. Monitoring and/or Record keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust from the grinder.

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

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

Notwithstanding the frequency of reporting requirements specified above, the permittee may reduce the frequency of visual observations from daily to weekly for the grinder if the following conditions are met:

a. for 1 full quarter the facility's visual observations indicate no visible emissions; and

b. the permittee continues to comply with all the record keeping and monitoring requirements specified above.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any abnormal visible emissions of fugitive dust were observed from the grinder and (b) describe any corrective actions taken to minimize or eliminate the abnormal visible emissions. These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods.

E. Testing Requirements

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

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a. Emission Limitation
20% visible fugitive emissions, as a three-minute average, from the grinder

Applicable Compliance Method
Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if requested**.**

b. Emission Limitation
3.07 tons PE and 3.07 tons PM-10 per year from the grinder

Applicable Compliance Method
Compliance was demonstrated by a one time calculation based upon the maximum loading as follows:

43,800 tons/year x 0.35 lb/ton* x (1-.8)** x 1 ton/2000 lbs = 1.53 tons/year

*Emission factor 0.35 lb/ton from RACM Table 2.17, Fugitive dust Emission factors for Woodworking Operations
**Estimated control efficiency of 80% for the cyclone.

F. Miscellaneous Requirements

None

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F004 is the Plant 2 sawdust storage silo with a 1680 cfm return air baghouse, P2-10913 (former facility ID P2-435). See A.2.a.	OAC rule 3745-31-05 (A)(3)	2.50 tons fugitive particulate emissions (PE) per year and 2.50 tons fugitive particulate emissions less than 10 microns (PM-10) per year from truck loading
	OAC rule 3745-17-07 (B)	20% visible fugitive emissions, as a three-minute average from truck loading
	OAC rule 3745-17-08 (B)	The requirements specified in OAC rule 3745-31-05 (A)(3) also include the requirements specified in OAC rules 3745-17-08 (B.

2. Additional Terms and Conditions

2.a Sawdust is collected from many baghouses in Plant 2 and transported via a collector system to the sawdust storage silo. The exhaust from the silo baghouse does not vent into the atmosphere. Rather, the exhaust air from this baghouse is recirculated into the collector system which transports the dust into the silo. The fugitive emissions permitted in this emissions unit are for loading sawdust from the silo into trucks.

B. Operational Restrictions

None

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C. Monitoring and/or Record keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust from the truck loading from the silo. 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 emission incident; and
   e. any corrective actions taken to minimize or eliminate the visible emissions.

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

   Notwithstanding the frequency of reporting requirements specified above, the permittee may reduce the frequency of visual observations from daily to weekly for the grinder if the following conditions are met:

   a. for 1 full quarter the facility's visual observations indicate no visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified above.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any abnormal visible emissions of fugitive dust were observed from the truck loading from the silo and (b) describe any corrective actions taken to minimize or eliminate the abnormal visible emissions. These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods.

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E. Testing Requirements

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

   a. Emission Limitation
   20% visible fugitive emissions, as a three-minute average, from the truck loading

   Applicable Compliance Method
   Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if requested.

   b. Emission Limitation
   2.50 tons PE and 2.50 tons PM-10 per year from the truck loading

   Applicable Compliance Method
   Compliance was demonstrated by a one time calculation based upon the maximum loading as follows:

   25,000 tons sawdust/year x 2 lbs/ton* x 1 ton/2000 lbs x (1 - 0.90)** = 2.5 tons/year

   *emission factor taken from RACM, Table 2.17-1
   **estimated control efficiency of 90% based upon 75% for the telescopic chute and 60% for the 3-sided enclosure

F. Miscellaneous Requirements

None

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P006 consists of woodworking equipment vented to a 39,400 cfm baghouse, P2-10916 (former facility ID P2-222). See attached Table P2-P6. (P2 is Plant 2.) Modification	OAC rule 3745-31-05 (A)(3)	0.005 grain particulate emissions (PE) per dscf and 0.0025 grain particulate matter less than 10 microns (PM-10) per dscf from the baghouse stack 1.69 lbs PE/hour and 7.40 tons per year from the baghouse stack 0.84 lb PM-10 per hour and 3.70 tons per year from the baghouse stack 0% visible emissions from the baghouse stack, as a six-minute average
	OAC rule 3745-17-11 (B) OAC rule 3745-17-07 (A)(1)	The requirements established pursuant to OAC rules 3745-17-11 (B) and 3745-17-07 (A) are less restrictive than the requirements established pursuant to OAC rule 3745-31-05 (A)(3).

2. Additional Terms and Conditions

2.a The following is a list of the tables of emissions units which is attached to this permit to install (PTI 02-20473):

Table P2-P6 P006 - Emission Units which are vented to Baghouse P2-10916

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Table P2-P7	P007 - Emission Units which are vented to Baghouse P2-10911
Table P2-P8	P008 - Emission Units which are vented to Baghouse P2-21588
Table P2-P9	P009 - Emission Units which are vented to Baghouse P2-10906
Table P2-P10	P010 - Emission Units which are vented to Baghouse P2-10904
Table P2-P11	P011 - Emission Units which are vented to Baghouse P2-10909
Table P2-P12	P012 - Emission Units which are vented to Baghouse P2-10903
Table P2-P13	P013 - Emission Units which are vented to Baghouse P2-10914
Table P2-P14	P014 - Emission Units which are vented to Baghouse P2-10905
Table P2-P15	P015 - Emission Units which are vented to Baghouse P2-10912
Table P2-P16	P016 - Emission Units which are vented to Baghouse P2-10920
Table P2-P17	P017 - Emission Units which are vented to Baghouse P2-10921
Table P2-P18	P018 - Emission Units which are vented to Baghouse P2-10907
Table P2-P19	P019 - Emission Units which are vented to Baghouse P2-10918
Table P2-P20	P020 - Emission Units which are vented to Baghouse P2-10915
Table P2-P21	P021 - Emission Units which are vented to Baghouse P2-10917
Table P2-A	All PTI exempt woodworking Emissions Units at Plant 2

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation. The listed pressure drop range applies at all times except following rebagging until sufficient filter cake is developed on the bags.

2. The facility shall retain the option to install a bag leak detector. Should this option be chosen, the bag leak detector shall be properly installed and calibrated, operated and maintained. An audible alarm shall be installed to sound should emissions above the percent saturation, determined during the calibration testing, be exceeded. The requirement to operate this emissions unit within the pressure drop range of 1 to 5 inches of water shall be vacated under this option.

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C. Monitoring and/or Record keeping Requirements

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

2. 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. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

   Notwithstanding the frequency of reporting requirements specified above, the permittee may reduce the frequency of visual observations from daily to weekly for this emissions unit if the following conditions are met:

   a. for 1 full quarter the facility's visual observations indicate no visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified above.

   The permittee shall revert to daily readings if any visible emissions are observed.

3. Should a bag leak detector be installed and operated as specified in B.2 the facility shall maintain records of the details of each event where the audible alarm sounds. These records shall including the date, time, duration, cause, and the facility's response to the alarm. These records will normally record instances where an emissions violation was avoided. Should a bag leak detector be installed and operated as specified in B.2 the facility shall not be required to maintain records specified in C.1 and C.2 above.

D. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

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2. 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 actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

E. Testing Requirements

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

   a. Emission Limitation
   0% visible emissions from the baghouse stack, as a six-minute average

   Applicable Compliance Method
   Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if requested**.**

   b. Emission Limitation
   1.69 lbs PE per hour and 7.40 tons PE per year from the baghouse stack

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

   c. Emission Limitation
   0.84 lb PM-10 per hour and 3.70 tons PM-10 per year from the baghouse stack

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

   d. Emission Limitation
   0.005 grain PE/dscf and 0.0025 grain PM-10/dscf from baghouse exhaust

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

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

   a. Emissions testing was conducted on P010 (P1-13326) on July 8, 2005, at Plant 1. Emissions testing was conducted on P021 (P2-10915) on July 6, 2005, and on P020 (P2-10918) on July 7, 2005, at Plant 2. Emissions testing was conducted on P006 (P3-12741) on July 19, 2005, at Plant 3. The results of this

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testing indicated the tested emissions units are operating in compliance with the emissions limitations specified in this permit. Emissions testing shall be completed on 2 - 6 of the following emissions units each year, such that all the listed emissions units have been tested within 5 years of issuance of this permit.

P1-P008 (P1-13325)	P1-P009 (P1-13327)
P1-P013 (P1-13323)	P2-P014 (P2-10905)
P2-P012 (P2-10903)	P2-P006 (P2-10916)
P2-P010 (P2-10904)	P2-P013 (P2-10914)
P2-P007 (P2-10911)	P2-P011 (P2-10909)
P2-P021 (P2-10917)	P3-P007 (P3-20879)
P3-P005 (P3-12740)	

The following emissions units exhaust inside the plant. The configuration of the baghouse stack and the air conditioning unit does not allow for emissions testing, as Reference Method 1 cannot be met. Should any of these units be modified to allow for emissions testing, the modified unit must be tested within 90 days following the modification.

P1-P012 (P1-13322)	P3-P001 (P3-20865)
P3-P002 (P3-20866)	P3-P003 (P3-12742)

b. The emission testing shall be conducted to demonstrate compliance with 0.005 grain PE per dscf and 0.0025 grain PM-10 per dscf and with the hourly mass emission limitations specified in A.1.

c. The following test methods shall be employed to demonstrate compliance with the allowable emission rates:

Methods 1 - 5 and 201.

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) 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.

e. 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).

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f. Personnel from the 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.

g. 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 Ohio EPA, Northeast District Office.

F. Miscellaneous Requirements

1. This permit to install (PTI 02-20473) is designed to contain all woodworking emissions units, excluding the coating application processes, roadways and parking areas, which are required to obtain a permit to install and a list of all insignificant emissions units at this facility. This permit will typically be modified whenever KraftMaid Cabinetry Plant 2 applies for a permit to either modify existing emissions units or to install new emissions units at this facility.

2. The permittee shall submit updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated Tables shall include an updated demonstration of loading to each baghouse. The updated tables shall include a complete list of emissions units for each table (including an identification of all emissions unit(s) that is/are permanently shut down and dismantled and new or replacement emissions units) as of the end of the calendar year and shall highlight or otherwise flag the changes from the previous year. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   After this report is submitted, the Director (the Ohio EPA, Northeast District Office) may consider the changes to determine if a modification to the issued permits is necessary. In general, a few changes which are not significant and which do not affect the operation of the control equipment will not trigger a request for an application to modify the issued permit be submitted.

   The updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 will be included in the next modification to PTI 02-20473. If none of the Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 requires an update, the permittee shall submit a report by February 28 of each year that states no revisions are required.

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3. The permittee shall submit an updated Emissions Unit Table P2-A (PTI exempt Emissions Units) to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated table shall include the complete list of emissions units including any PTI exempt emissions unit(s) installed during the last calendar year and an identification of all emissions unit(s) that is/are permanently shut down and dismantled. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   The updated Emissions Unit Table P2-A will be included in the next modification to PTI 02-20473. If Emissions Unit Table P2-A does not require an update, the permittee shall submit a report by February 28 of each year that states no revision is required.

4. This permit replaces any previous permit issued for any equipment included in this permit-to-install.

5. The following terms and conditions specified above are federally enforceable: A.1, A.2, B.1, B.2, C.1, C.2, C.3, D.1, D.2, E.1, E.2, F.1, F.2, F.3, and F.4.

TABLE P2-P6 for emissions unit P006 at Plant 2
EPA Label = P2-222
EPA Label = P2-10916
Date 6/2005

UV #3	**SIZE OF DUCT IN INCHES**
UV #3 FINISHING LINE STATIONS 1-12	6
UV #3 FINISHING LINE STATIONS 1-12	6
UV #3 FINISHING LINE STATIONS 1-12	6
UV #3 FINISHING LINE STATIONS 1-12	6
HEESEMANN LSM 8 (1)	5
HEESEMANN LSM 8 (1)	5
HEESEMANN LSM 8 (1)	6
HEESEMANN LSM 8 (1)	6
HEESEMANN LSM 8 (1)	6
HEESEMANN LSM 8 (1)	6
HEESEMANN LSM 8 (1)	6
HEESEMANN LSM 8 (1)	6
HEESEMANN LSM 8 (1)	6
HEESEMANN LSM 8 (1)	8
HEESEMANN LSM 8 (2)	5
HEESEMANN LSM 8 (2)	5
HEESEMANN LSM 8 (2)	6
HEESEMANN LSM 8 (2)	6
HEESEMANN LSM 8 (2)	6
HEESEMANN LSM 8 (2)	8
HEESEMANN LSM 8 (2)	8
HEESEMANN LSM 8 (2)	8

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HEESEMANN LSM 8 (2)		8
BP 12	8	
BP 120		5
BP 120		5
BP 120		5
BP 120		6
TOE KICK NOTCHER		6
KL-73 EDGEBANDER P2-467		6
TOE KICK NOTCHER		6
ALTENDORF TABLE SAW		5
ALTENDORF TABLE SAW		5
ALTENDORF TABLE SAW		5

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P007 consists of woodworking equipment vented to a 39,400 cfm baghouse, P2-10911 (former facility ID P2-267). See attached Table P2-P7. (P2 is Plant 2.) Modification	OAC rule 3745-31-05 (A)(3)	0.005 grain particulate emissions (PE) per dscf and 0.0025 grain particulate matter less than 10 microns (PM-10) per dscf from the baghouse exhaust 1.69 lbs PE/hour and 7.40 tons per year from the baghouse stack 0.84 lb PM-10 per hour and 3.70 tons per year from the baghouse stack 0% visible emissions from the baghouse stack, as a six-minute average
	OAC rule 3745-17-11 (B) OAC rule 3745-17-07 (A)	The requirements established pursuant to OAC rules 3745-17-11 (B) and 3745-17-07 (A) are less restrictive than the requirements established pursuant to OAC rule 3745-31-05 (A)(3).

2. Additional Terms and Conditions

2.a The following is a list of the tables of emissions units which is attached to this permit to install (PTI 02-20473):

Table P2-P6 P006 - Emission Units which are vented to Baghouse P2-10916

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Table P2-P7	P007 - Emission Units which are vented to Baghouse P2-10911
Table P2-P8	P008 - Emission Units which are vented to Baghouse P2-21588
Table P2-P9	P009 - Emission Units which are vented to Baghouse P2-10906
Table P2-P10	P010 - Emission Units which are vented to Baghouse P2-10904
Table P2-P11	P011 - Emission Units which are vented to Baghouse P2-10909
Table P2-P12	P012 - Emission Units which are vented to Baghouse P2-10903
Table P2-P13	P013 - Emission Units which are vented to Baghouse P2-10914
Table P2-P14	P014 - Emission Units which are vented to Baghouse P2-10905
Table P2-P15	P015 - Emission Units which are vented to Baghouse P2-10912
Table P2-P16	P016 - Emission Units which are vented to Baghouse P2-10920
Table P2-P17	P017 - Emission Units which are vented to Baghouse P2-10921
Table P2-P18	P018 - Emission Units which are vented to Baghouse P2-10907
Table P2-P19	P019 - Emission Units which are vented to Baghouse P2-10918
Table P2-P20	P020 - Emission Units which are vented to Baghouse P2-10915
Table P2-P21	P021 - Emission Units which are vented to Baghouse P2-10917
Table P2-A	All PTI exempt woodworking Emissions Units at Plant 2

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation. The listed pressure drop range applies at all times except following rebagging until sufficient filter cake is developed on the bags.

2. The facility shall retain the option to install a bag leak detector. Should this option be chosen, the bag leak detector shall be properly installed and calibrated, operated and maintained. An audible alarm shall be installed to sound should emissions above the percent saturation, determined during the calibration testing, be exceeded. The requirement to operate this emissions unit within the pressure drop range of 1 to 5 inches of water shall be vacated under this option.

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C. Monitoring and/or Record keeping Requirements

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

2. 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. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

   Notwithstanding the frequency of reporting requirements specified above, the permittee may reduce the frequency of visual observations from daily to weekly for this emissions unit if the following conditions are met:

   a. for 1 full quarter the facility's visual observations indicate no visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified above.

   The permittee shall revert to daily readings if any visible emissions are observed.

3. Should a bag leak detector be installed and operated as specified in B.2 the facility shall maintain records of the details of each event where the audible alarm sounds. These records shall including the date, time, duration, cause, and the facility's response to the alarm. These records will normally record instances where an emissions violation was avoided. Should a bag leak detector be installed and operated as specified in B.2 the facility shall not be required to maintain records specified in C.1 and C.2 above.

D. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

2. 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

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emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

E. Testing Requirements

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

   a. Emission Limitation
   0% visible emissions from the baghouse stack, as a six-minute average

   Applicable Compliance Method
   Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if requested**.**

   b. Emission Limitation
   1.69 lbs PE per hour and 7.40 tons PE per year from the baghouse stack

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

   c. Emission Limitation
   0.84 lb PM-10 per hour and 3.70 tons PM-10 per year from the baghouse stack

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

   d. Emission Limitation
   0.005 grain PE/dscf and 0.0025 grain PM-10/dscf from baghouse exhaust

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

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

   a. Emissions testing was conducted on P010 (P1-13326) on July 8, 2005, at Plant 1. Emissions testing was conducted on P021 (P2-10915) on July 6, 2005, and on P020 (P2-10918) on July 7, 2005, at Plant 2. Emissions testing was conducted on P006 (P3-12741) on July 19, 2005, at Plant 3. The results of this testing indicated the tested emissions units are operating in compliance with the emissions limitations specified in this permit. Emissions testing shall be

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completed on 2 - 6 of the following emissions units each year, such that all the listed emissions units have been tested within 5 years of issuance of this permit.

P1-P008 (P1-13325)	P1-P009 (P1-13327)
P1-P013 (P1-13323)	P2-P014 (P2-10905)
P2-P012 (P2-10903)	P2-P006 (P2-10916)
P2-P010 (P2-10904)	P2-P013 (P2-10914)
P2-P007 (P2-10911)	P2-P011 (P2-10909)
P2-P021 (P2-10917)	P3-P007 (P3-20879)
P3-P005 (P3-12740)	

The following emissions units exhaust inside the plant. The configuration of the baghouse stack and the air conditioning unit does not allow for emissions testing, as Reference Method 1 cannot be met. Should any of these units be modified to allow for emissions testing, the modified unit must be tested within 90 days following the modification.

P1-P012 (P1-13322)	P3-P001 (P3-20865)
P3-P002 (P3-20866)	P3-P003 (P3-12742)

b. The emission testing shall be conducted to demonstrate compliance with 0.005 grain PE per dscf and 0.0025 grain PM-10 per dscf and with the hourly mass emission limitations specified in A.1.

c. The following test methods shall be employed to demonstrate compliance with the allowable emission rates:

Methods 1 - 5 and 201.

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) 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.

e. 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).

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f. Personnel from the 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.

g. 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 Ohio EPA, Northeast District Office.

F. Miscellaneous Requirements

1. This permit to install (PTI 02-20473) is designed to contain all woodworking emissions units, excluding the coating application processes, roadways and parking areas, which are required to obtain a permit to install and a list of all insignificant emissions units at this facility. This permit will typically be modified whenever KraftMaid Cabinetry Plant 2 applies for a permit to either modify existing emissions units or to install new emissions units at this facility.

2. The permittee shall submit updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated Tables shall include an updated demonstration of loading to each baghouse. The updated tables shall include a complete list of emissions units for each table (including an identification of all emissions unit(s) that is/are permanently shut down and dismantled and new or replacement emissions units) as of the end of the calendar year and shall highlight or otherwise flag the changes from the previous year. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   After this report is submitted, the Director (the Ohio EPA, Northeast District Office) may consider the changes to determine if a modification to the issued permits is necessary. In general, a few changes which are not significant and which do not affect the operation of the control equipment will not trigger a request for an application to modify the issued permit be submitted.

   The updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 will be included in the next modification to PTI 02-20473. If none of the Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 requires an update, the permittee shall submit a report by February 28 of each year that states no revisions are required.

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3. The permittee shall submit an updated Emissions Unit Table P2-A (PTI exempt Emissions Units) to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated table shall include the complete list of emissions units including any PTI exempt emissions unit(s) installed during the last calendar year and an identification of all emissions unit(s) that is/are permanently shut down and dismantled. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   The updated Emissions Unit Table P2-A will be included in the next modification to PTI 02-20473. If Emissions Unit Table P2-A does not require an update, the permittee shall submit a report by February 28 of each year that states no revision is required.

4. This permit replaces any previous permit issued for any equipment included in this permit-to-install.

5. The following terms and conditions specified above are federally enforceable: A.1, A.2, B.1, B.2, C.1, C.2, C.3, D.1, D.2, E.1, E.2, F.1, F.2, F.3, and F.4.

TABLE P2-P7 for emissions unit P007 at Plant 2
EPA Label = P2-267
EPA Label = P2-10911
Date 6/2005

MILLING	SIZE OF DUCT IN INCHES
HOLZMA #7	6
HOLZMA #7	8
HOLZMA #26	6
HOLZMA #26	8
HOLZMA #6	6
HOLZMA #6	8
ALTENDORF TABLE SAW	6
POWERMATIC SAW	5
DODDS F&B DOVETAIL (OLD)	6
DODDS F&B DOVETAIL (OLD)	6
DEWALT CUT-OFF SAW	4
DEWALT CUT-OFF SAW	4
HOLZMA #5	6
HOLZMA #5	6
HOLZMA #5	8
WEIMA GRINDER	6
NOTCHER	4
NOTCHER	4
MOUSE GROOVER	3
MOUSE GROOVER	3
MOUSE GROOVER	3
MOUSE GROOVER	3

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CREATIVE NOTCHER	4
NFL 26	3
NFL 26	3
NFL 26	5
NFL 26	5
NFL 26	5
NFL 26	5
NFL 26	6
NFL 26	6
HOLZMA #25	8
HOLZMA #26	6
BST 500	5
BST 500	5
WEIMA GRINDER	10
ALTENDORF TABLE SAW	6
TABLE SAW #243	4
TABLE SAW #243	4

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P008 consists of woodworking equipment vented to a 39,400 cfm baghouse, P2-21588 (former facility ID P2-430). See attached Table P2-P8. (P2 is Plant 2.)	OAC rule 3745-31-05 (A)(3)	0.005 grain particulate emissions (PE) per dscf and 0.0025 grain particulate matter less than 10 microns (PM-10) per dscf from the baghouse stack 1.69 lbs PE/hour and 7.40 tons per year from the baghouse stack 0.84 lb PM-10 per hour and 3.70 tons PM-10 per year from the baghouse stack 0% visible emissions from the baghouse stack, as a six-minute average
	OAC rule 3745-17-11 (B) OAC rule 3745-17-07 (A)(1)	The requirements established pursuant to OAC rules 3745-17-11 (B), 3745-17-07 (A), 3745-17- 08 (B) and 3745-17-07 (B) are less restrictive than the requirements established pursuant to OAC rule 3745-31-05 (A)(3).

2. Additional Terms and Conditions

2.a The following is a list of the tables of emissions units which is attached to this permit to install (PTI 02-20473):

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Table P2-P6	P006 - Emission Units which are vented to Baghouse P2-10916
Table P2-P7	P007 - Emission Units which are vented to Baghouse P2-10911
Table P2-P8	P008 - Emission Units which are vented to Baghouse P2-21588
Table P2-P9	P009 - Emission Units which are vented to Baghouse P2-10906
Table P2-P10	P010 - Emission Units which are vented to Baghouse P2-10904
Table P2-P11	P011 - Emission Units which are vented to Baghouse P2-10909
Table P2-P12	P012 - Emission Units which are vented to Baghouse P2-10903
Table P2-P13	P013 - Emission Units which are vented to Baghouse P2-10914
Table P2-P14	P014 - Emission Units which are vented to Baghouse P2-10905
Table P2-P15	P015 - Emission Units which are vented to Baghouse P2-10912
Table P2-P16	P016 - Emission Units which are vented to Baghouse P2-10920
Table P2-P17	P017 - Emission Units which are vented to Baghouse P2-10921
Table P2-P18	P018 - Emission Units which are vented to Baghouse P2-10907
Table P2-P19	P019 - Emission Units which are vented to Baghouse P2-10918
Table P2-P20	P020 - Emission Units which are vented to Baghouse P2-10915
Table P2-P21	P021 - Emission Units which are vented to Baghouse P2-10917
Table P2-A	All PTI exempt woodworking Emissions Units at Plant 2

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation. The listed pressure drop range applies at all times except following rebagging until sufficient filter cake is developed on the bags.

2. The facility shall retain the option to install a bag leak detector. Should this option be chosen, the bag leak detector shall be properly installed and calibrated, operated and maintained. An audible alarm shall be installed to sound should emissions above the percent saturation, determined during the calibration testing, be exceeded. The

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requirement to operate this emissions unit within the pressure drop range of 1 to 5 inches of water shall be vacated under this option.

C. Monitoring and/or Record keeping Requirements

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

2. 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. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

   Notwithstanding the frequency of reporting requirements specified above, the permittee may reduce the frequency of visual observations from daily to weekly for this emissions unit if the following conditions are met:

   a. for 1 full quarter the facility's visual observations indicate no visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified above.

   The permittee shall revert to daily readings if any visible emissions are observed.

3. Should a bag leak detector be installed and operated as specified in B.2 the facility shall maintain records of the details of each event where the audible alarm sounds. These records shall including the date, time, duration, cause, and the facility's response to the alarm. These records will normally record instances where an emissions violation was avoided. Should a bag leak detector be installed and operated as specified in B.2 the facility shall not be required to maintain records specified in C.1 and C.2 above.

D. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all period of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

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2. 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 actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

E. Testing Requirements

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

   a. Emission Limitation
   0% visible emissions from the baghouse stack, as a six-minute average

   Applicable Compliance Method
   Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if requested**.**

   b. Emission Limitation
   1.69 lbs PE/hour and 7.40 tons per year from the baghouse stack

   Applicable Compliance Method
   This limitation is based upon the design of the baghouse and compliance with the grain loading limitation. Compliance with the grain loading limitation has been demonstrated at similar, but larger, control equipment at this facility. OAC rule 3745-17-03(B)(10), if requested.

   c. Emission Limitation
   0.84 lb PM-10 per hour and 3.70 tons PM-10 per year from the baghouse stack

   Applicable Compliance Method
   This limitation is based upon the design of the baghouse and compliance with the grain loading limitation. Compliance with the grain loading limitation has been demonstrated at similar, but larger, control equipment at this facility. OAC rule 3745-17-03(B)(10), if requested.

   d. Emission Limitation
   0.005 grain PE per dscf and 0.0025 grain PE less than 10 microns (PM-10) per dscf from the baghouse exhaust

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10), if requested.

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F. Miscellaneous Requirements

1. This permit to install (PTI 02-20473) is designed to contain all woodworking emissions units, excluding the coating application processes, roadways and parking areas, which are required to obtain a permit to install and a list of all insignificant emissions units at this facility. This permit will typically be modified whenever KraftMaid Cabinetry Plant 2 applies for a permit to either modify existing emissions units or to install new emissions units at this facility.

2. The permittee shall submit updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated Tables shall include an updated demonstration of loading to each baghouse. The updated tables shall include a complete list of emissions units for each table (including an identification of all emissions unit(s) that is/are permanently shut down and dismantled and new or replacement emissions units) as of the end of the calendar year and shall highlight or otherwise flag the changes from the previous year. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   After this report is submitted, the Director (the Ohio EPA, Northeast District Office) may consider the changes to determine if a modification to the issued permits is necessary. In general, a few changes which are not significant and which do not affect the operation of the control equipment will not trigger a request for an application to modify the issued permit be submitted.

   The updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 will be included in the next modification to PTI 02-20473. If none of the Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 requires an update, the permittee shall submit a report by February 28 of each year that states no revisions are required.

3. The permittee shall submit an updated Emissions Unit Table P2-A (PTI exempt Emissions Units) to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated table shall include the complete list of emissions units including any PTI exempt emissions unit(s) installed during the last calendar year and an identification of all emissions unit(s) that is/are permanently shut down and dismantled. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   The updated Emissions Unit Table P2-A will be included in the next modification to PTI 02-20473. If Emissions Unit Table P2-A does not require an update, the permittee shall submit a report by February 28 of each year that states no revision is required.

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4. This permit replaces any previous permit issued for any equipment included in this permit-to-install.

5. The following terms and conditions specified above are federally enforceable: A.1, A.2, B.1, B.2, C.1, C.2, C.3, D.1, D.2, E.1, F.1, F.2, F.3, and F.4.

TABLE P2-P8 for emissions unit P008 at Plant 2
EPA Label = P2-430
EPA Label = P2-10919

Date 6/2005

EQUIPMENT	**SIZE OF DUCT IN INCHES**	
WEIMA GRINDER		8
HOLZMA SAW		8
ALTENDORF SAW		5
ALTENDORF SAW		5
HEAIN ROUTER #4	8	
HEAIN ROUTER #5	8	
BLUM MINI PRESS	4	
BHC 250		8
BHC 350		8
BHC 350		6
BHC 350		8
BHC 350		6
PRESS ROOM		6
HINGE PRESS		4

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P009 consists of woodworking equipment vented to a 11,200 cfm baghouse. P2-10906 (former facility ID P2-432). See attached Table P2-P9. (P2 is Plant 2.)	OAC rule 3745-31-05 (A)(3)	0.005 grain particulate emissions (PE) per dscf and 0.0025 grain particulate matter less than 10 microns (PM-10) per dscf from the baghouse stack 0.48 lb PE/hour and 2.10 tons per year from the baghouse stack 0.24 lb PM-10 per hour and 1.05 tons per year from the baghouse stack 0% visible emissions from the baghouse stack, as a six-minute average
	OAC rule 3745-17-11 (B) OAC rule 3745-17-07 (A)(1)	The requirements established pursuant to OAC rules 3745-17-11 (B) and 3745-17-07 (A) are less restrictive than the requirements established pursuant to OAC rule 3745-31-05 (A)(3).

2. Additional Terms and Conditions

2.a The following is a list of the tables of emissions units which is attached to this permit to install (PTI 02-20473):

Table P2-P6 P006 - Emission Units which are vented to Baghouse P2-10916

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Table P2-P7	P007 - Emission Units which are vented to Baghouse P2-10911
Table P2-P8	P008 - Emission Units which are vented to Baghouse P2-21588
Table P2-P9	P009 - Emission Units which are vented to Baghouse P2-10906
Table P2-P10	P010 - Emission Units which are vented to Baghouse P2-10904
Table P2-P11	P011 - Emission Units which are vented to Baghouse P2-10909
Table P2-P12	P012 - Emission Units which are vented to Baghouse P2-10903
Table P2-P13	P013 - Emission Units which are vented to Baghouse P2-10914
Table P2-P14	P014 - Emission Units which are vented to Baghouse P2-10905
Table P2-P15	P015 - Emission Units which are vented to Baghouse P2-10912
Table P2-P16	P016 - Emission Units which are vented to Baghouse P2-10920
Table P2-P17	P017 - Emission Units which are vented to Baghouse P2-10921
Table P2-P18	P018 - Emission Units which are vented to Baghouse P2-10907
Table P2-P19	P019 - Emission Units which are vented to Baghouse P2-10918
Table P2-P20	P020 - Emission Units which are vented to Baghouse P2-10915
Table P2-P21	P021 - Emission Units which are vented to Baghouse P2-10917
Table P2-A	All PTI exempt woodworking Emissions Units at Plant 2

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation. The listed pressure drop range applies at all times except following rebagging until sufficient filter cake is developed on the bags.

2. The facility shall retain the option to install a bag leak detector. Should this option be chosen, the bag leak detector shall be properly installed and calibrated, operated and maintained. An audible alarm shall be installed to sound should emissions above the percent saturation, determined during the calibration testing, be exceeded. The requirement to operate this emissions unit within the pressure drop range of 1 to 5 inches of water shall be vacated under this option.

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C. Monitoring and/or Record keeping Requirements

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

2. 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. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

   Notwithstanding the frequency of reporting requirements specified above, the permittee may reduce the frequency of visual observations from daily to weekly for this emissions unit if the following conditions are met:

   a. for 1 full quarter the facility's visual observations indicate no visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified above.

   The permittee shall revert to daily readings if any visible emissions are observed.

3. Should a bag leak detector be installed and operated as specified in B.2 the facility shall maintain records of the details of each event where the audible alarm sounds. These records shall including the date, time, duration, cause, and the facility's response to the alarm. These records will normally record instances where an emissions violation was avoided. Should a bag leak detector be installed and operated as specified in B.2 the facility shall not be required to maintain records specified in C.1 and C.2 above.

D. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

2. 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

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emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

E. Testing Requirements

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

   a. Emission Limitation
   0% visible emissions from the baghouse stack, as a six-minute average

   Applicable Compliance Method
   Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if requested**.**

   b. Emission Limitation
   0.48 lb PE/hour and 2.10 tons per year from the baghouse stack

   Applicable Compliance Method
   This limitation is based upon the design of the baghouse and compliance with the grain loading limitation. Compliance with the grain loading limitation has been demonstrated at similar, but larger, control equipment at this facility. OAC rule 3745-17-03(B)(10), if requested.

   c. Emission Limitation
   0.24 lb PM-10 per hour and 1.05 tons per year from the baghouse stack

   Applicable Compliance Method
   This limitation is based upon the design of the baghouse and compliance with the grain loading limitation. Compliance with the grain loading limitation has been demonstrated at similar, but larger, control equipment at this facility. OAC rule 3745-17-03(B)(10), if requested.

   d. Emission Limitation
   0.005 grain PE/dscf and 0.0025 grain PM-10/dscf from baghouse exhaust

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10), if requested.

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F. Miscellaneous Requirements

1. This permit to install (PTI 02-20473) is designed to contain all woodworking emissions units, excluding the coating application processes, roadways and parking areas, which are required to obtain a permit to install and a list of all insignificant emissions units at this facility. This permit will typically be modified whenever KraftMaid Cabinetry Plant 2 applies for a permit to either modify existing emissions units or to install new emissions units at this facility.

2. The permittee shall submit updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated Tables shall include an updated demonstration of loading to each baghouse. The updated tables shall include a complete list of emissions units for each table (including an identification of all emissions unit(s) that is/are permanently shut down and dismantled and new or replacement emissions units) as of the end of the calendar year and shall highlight or otherwise flag the changes from the previous year. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   After this report is submitted, the Director (the Ohio EPA, Northeast District Office) may consider the changes to determine if a modification to the issued permits is necessary. In general, a few changes which are not significant and which do not affect the operation of the control equipment will not trigger a request for an application to modify the issued permit be submitted.

   The updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 will be included in the next modification to PTI 02-20473. If none of the Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 requires an update, the permittee shall submit a report by February 28 of each year that states no revisions are required.

3. The permittee shall submit an updated Emissions Unit Table P2-A (PTI exempt Emissions Units) to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated table shall include the complete list of emissions units including any PTI exempt emissions unit(s) installed during the last calendar year and an identification of all emissions unit(s) that is/are permanently shut down and dismantled. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   The updated Emissions Unit Table P2-A will be included in the next modification to PTI 02-20473. If Emissions Unit Table P2-A does not require an update, the permittee shall submit a report by February 28 of each year that states no revision is required.

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4. This permit replaces any previous permit issued for any equipment included in this permit-to-install.

5. The following terms and conditions specified above are federally enforceable: A.1, A.2, B.1, B.2, C.1, C.2, C.3, D.1, D.2, E.1, F.1, F.2, F.3, and F.4.

TABLE P2-P9 for emissions unit P009 at Plant 2
EPA Label = P2-432
EPA Label = P2-10906
Date 6/2005

HEAVY MILLING	**SIZE OF DUCT IN INCHES**
HOLZMA #1 GRINDER	12
HOLZMA #2 GRINDER	12

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P010 consists of woodworking equipment vented to a 36,342 cfm baghouse, P2-10904 (former facility ID P2-434). See attached Table P2-P10. (P2 is Plant 2.) Modification	OAC rule 3745-31-05 (A)(3)	0.005 grain particulate emissions (PE) per dscf and 0.0025 grain particulate matter less than 10 microns (PM-10) per dscf from the baghouse stack 1.56 lbs PE/hour and 6.82 tons per year from the baghouse stack 0.78 lb PM-10 per hour and 3.41 tons per year from the baghouse stack 0% visible emissions from the baghouse stack, as a six-minute average
	OAC rule 3745-17-11 (B) OAC rule 3745-17-07 (A)(1)	The requirements established pursuant to OAC rules 3745-17-11 (B) and 3745-17-07 (A) are less restrictive than the requirements established pursuant to OAC rule 3745-31-05 (A)(3).

2. **Additional Terms and Conditions**

2.a The following is a list of the tables of emissions units which is attached to this permit to install (PTI 02-20473):

Table P2-P6 P006 - Emission Units which are vented to Baghouse P2-10916

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Table P2-P7	P007 - Emission Units which are vented to Baghouse P2-10911
Table P2-P8	P008 - Emission Units which are vented to Baghouse P2-21588
Table P2-P9	P009 - Emission Units which are vented to Baghouse P2-10906
Table P2-P10	P010 - Emission Units which are vented to Baghouse P2-10904
Table P2-P11	P011 - Emission Units which are vented to Baghouse P2-10909
Table P2-P12	P012 - Emission Units which are vented to Baghouse P2-10903
Table P2-P13	P013 - Emission Units which are vented to Baghouse P2-10914
Table P2-P14	P014 - Emission Units which are vented to Baghouse P2-10905
Table P2-P15	P015 - Emission Units which are vented to Baghouse P2-10912
Table P2-P16	P016 - Emission Units which are vented to Baghouse P2-10920
Table P2-P17	P017 - Emission Units which are vented to Baghouse P2-10921
Table P2-P18	P018 - Emission Units which are vented to Baghouse P2-10907
Table P2-P19	P019 - Emission Units which are vented to Baghouse P2-10918
Table P2-P20	P020 - Emission Units which are vented to Baghouse P2-10915
Table P2-P21	P021 - Emission Units which are vented to Baghouse P2-10917
Table P2-A	All PTI exempt woodworking Emissions Units at Plant 2

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation. The listed pressure drop range applies at all times except following rebagging until sufficient filter cake is developed on the bags.

2. The facility shall retain the option to install a bag leak detector. Should this option be chosen, the bag leak detector shall be properly installed and calibrated, operated and maintained. An audible alarm shall be installed to sound should emissions above the percent saturation, determined during the calibration testing, be exceeded. The requirement to operate this emissions unit within the pressure drop range of 1 to 5 inches of water shall be vacated under this option.

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C. Monitoring and/or Record keeping Requirements

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

2. 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. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

   Notwithstanding the frequency of reporting requirements specified above, the permittee may reduce the frequency of visual observations from daily to weekly for this emissions unit if the following conditions are met:

   a. for 1 full quarter the facility's visual observations indicate no visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified above.

   The permittee shall revert to daily readings if any visible emissions are observed.

3. Should a bag leak detector be installed and operated as specified in B.2. the facility shall maintain records of the details of each event where the audible alarm sounds. These records shall including the date, time, duration, cause, and the facility's response to the alarm. These records will normally record instances where an emissions violation was avoided. Should a bag leak detector be installed and operated as specified in B.2 the facility shall not be required to maintain records specified in C.1 and C.2 above.

D. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

2. 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 actions taken to eliminate the visible particulate emissions.

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These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

E. Testing Requirements

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

   a. Emission Limitation
   0% visible emissions from the baghouse stack, as a six-minute average

   Applicable Compliance Method
   Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if requested**.**

   b. Emission Limitation
   1.56 lbs PE/hour and 6.82 tons per year from the baghouse stack

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

   c. Emission Limitation
   0.78 lb PM-10 per hour and 3.41 tons per year from the baghouse stack

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

   d. Emission Limitation
   0.005 grain PE/dscf and 0.0025 grain PM-10/dscf from baghouse exhaust

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

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

   a. Emissions testing was conducted on P010 (P1-13326) on July 8, 2005, at Plant 1. Emissions testing was conducted on P021 (P2-10915) on July 6, 2005, and on P020 (P2-10918) on July 7, 2005, at Plant 2. Emissions testing was conducted on P006 (P3-12741) on July 19, 2005, at Plant 3. The results of this testing indicated the tested emissions units are operating in compliance with the emissions limitations

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specified in this permit. Emissions testing shall be completed on 2 - 6 of the following emissions units each year, such that all the listed emissions units have been tested within 5 years of issuance of this permit.

P1-P008 (P1-13325)	P1-P009 (P1-13327)
P1-P013 (P1-13323)	P2-P014 (P2-10905)
P2-P012 (P2-10903)	P2-P006 (P2-10916)
P2-P010 (P2-10904)	P2-P013 (P2-10914)
P2-P007 (P2-10911)	P2-P011 (P2-10909)
P2-P021 (P2-10917)	P3-P007 (P3-20879)
P3-P005 (P3-12740)	

The following emissions units exhaust inside the plant. The configuration of the baghouse stack and the air conditioning unit does not allow for emissions testing, as Reference Method 1 cannot be met. Should any of these units be modified to allow for emissions testing, the modified unit must be tested within 90 days following the modification.

P1-P012 (P1-13322)	P3-P001 (P3-20865)
P3-P002 (P3-20866)	P3-P003 (P3-12742)

b. The emission testing shall be conducted to demonstrate compliance with 0.005 grain PE per dscf and 0.0025 grain PM-10 per dscf and with the hourly mass emission limitations specified in A.1.

c. The following test methods shall be employed to demonstrate compliance with the allowable emission rates:

Methods 1 - 5 and 201.

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) 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.

e. 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).

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f. Personnel from the 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.

g. 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 Ohio EPA, Northeast District Office.

F. Miscellaneous Requirements

1. This permit to install (PTI 02-20473) is designed to contain all woodworking emissions units, excluding the coating application processes, roadways and parking areas, which are required to obtain a permit to install and a list of all insignificant emissions units at this facility. This permit will typically be modified whenever KraftMaid Cabinetry Plant 2 applies for a permit to either modify existing emissions units or to install new emissions units at this facility.

2. The permittee shall submit updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated Tables shall include an updated demonstration of loading to each baghouse. The updated tables shall include a complete list of emissions units for each table (including an identification of all emissions unit(s) that is/are permanently shut down and dismantled and new or replacement emissions units) as of the end of the calendar year and shall highlight or otherwise flag the changes from the previous year. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   After this report is submitted, the Director (the Ohio EPA, Northeast District Office) may consider the changes to determine if a modification to the issued permits is necessary. In general, a few changes which are not significant and which do not affect the operation of the control equipment will not trigger a request for an application to modify the issued permit be submitted.

   The updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 will be included in the next modification to PTI 02-20473. If none of the Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 requires an update, the permittee shall submit a report by February 28 of each year that states no revisions are required.

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3. The permittee shall submit an updated Emissions Unit Table P2-A (PTI exempt Emissions Units) to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated table shall include the complete list of emissions units including any PTI exempt emissions unit(s) installed during the last calendar year and an identification of all emissions unit(s) that is/are permanently shut down and dismantled. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   The updated Emissions Unit Table P2-A will be included in the next modification to PTI 02-20473. If Emissions Unit Table P2-A does not require an update, the permittee shall submit a report by February 28 of each year that states no revision is required.

4. This permit replaces any previous permit issued for any equipment included in this permit-to-install.

5. The following terms and conditions specified above are federally enforceable: A.1, A.2, B.1, B.2, C.1, C.2, C.3, D.1, D.2, E.1, E.2, F.1, F.2, F.3, and F.4.

TABLE P2-P10 for emissions unit P010 at Plant 2

EPA Label = P2-434
EPA Label = P2-10904
Date 6/2005

WALL-END LINE	**SIZE OF DUCT IN INCHES**
WEIMA GRINDER	8
BASE END LINE	
DET BASE LINE	6
DET BASE LINE	6
DET BASE LINE	10
DET BASE LINE	10
DET BASE LINE	5
DET BASE LINE	5
DET BASE LINE	10
DET BASE LINE	10
DET BASE LINE	11
DET BASE LINE	11
FLOOR LINE	
BRUSH	6
BRUSH	6
SINGLE-SIDED EDGEBANDER	5
SINGLE-SIDED EDGEBANDER	7
SINGLE-SIDED EDGEBANDER	8
SHELF LINE	
BRUSH	6
BRUSH	6

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SINGLE-SIDED EDGEBANDER	5
SINGLE-SIDED EDGEBANDER	7
SINGLE-SIDED EDGEBANDER	8
HEAVY MILLING	
FLOOR AND CEILING NOTCHER	5
FLOOR AND CEILING NOTCHER	5
HOLZMA #4	5
HOLZMA #4	5
HOLZMA #4	8
DET BACK PANEL	4
DET BACK PANEL	4
DET BACK PANEL	5
DET BACK PANEL	5
DET BACK PANEL	5
DET BACK PANEL	5
DET BACK PANEL	6
DET BACK PANEL	6

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P011 consists of woodworking equipment vented to a 31,150 cfm baghouse, P2-10909 (former facility ID P2-438). See attached Table P2-P11 (P2 is Plant 2.) Modification	OAC rule 3745-31-05 (A)(3)	0.005 grain particulate emissions (PE) per dscf and 0.0025 grain particulate matter less than 10 microns (PM-10) per dscf from the baghouse stack 1.34 lbs PE/hour and 5.85 tons per year from the baghouse stack 0.67 lb PM-10 per hour and 2.92 tons per year from the baghouse stack 0% visible emissions from the baghouse stack, as a six-minute average
	OAC rule 3745-17-11 (B) OAC rule 3745-17-07 (A)(1)	The requirements established pursuant to OAC rules 3745-17-11 (B) and 3745-17-07 (A) are less restrictive than the requirements established pursuant to OAC rule 3745-31-05 (A)(3).

2. **Additional Terms and Conditions**

2.a The following is a list of the tables of emissions units which is attached to this permit to install (PTI 02-20473):

Table P2-P6 P006 - Emission Units which are vented to Baghouse P2-10916

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Table P2-P7	P007 - Emission Units which are vented to Baghouse P2-10911
Table P2-P8	P008 - Emission Units which are vented to Baghouse P2-21588
Table P2-P9	P009 - Emission Units which are vented to Baghouse P2-10906
Table P2-P10	P010 - Emission Units which are vented to Baghouse P2-10904
Table P2-P11	P011 - Emission Units which are vented to Baghouse P2-10909
Table P2-P12	P012 - Emission Units which are vented to Baghouse P2-10903
Table P2-P13	P013 - Emission Units which are vented to Baghouse P2-10914
Table P2-P14	P014 - Emission Units which are vented to Baghouse P2-10905
Table P2-P15	P015 - Emission Units which are vented to Baghouse P2-10912
Table P2-P16	P016 - Emission Units which are vented to Baghouse P2-10920
Table P2-P17	P017 - Emission Units which are vented to Baghouse P2-10921
Table P2-P18	P018 - Emission Units which are vented to Baghouse P2-10907
Table P2-P19	P019 - Emission Units which are vented to Baghouse P2-10918
Table P2-P20	P020 - Emission Units which are vented to Baghouse P2-10915
Table P2-P21	P021 - Emission Units which are vented to Baghouse P2-10917
Table P2-A	All PTI exempt woodworking Emissions Units at Plant 2

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation. The listed pressure drop range applies at all times except following rebagging until sufficient filter cake is developed on the bags.

2. The facility shall retain the option to install a bag leak detector. Should this option be chosen, the bag leak detector shall be properly installed and calibrated, operated and maintained. An audible alarm shall be installed to sound should emissions above the percent saturation, determined during the calibration testing, be exceeded. The requirement to operate this emissions unit within the pressure drop range of 1 to 5 inches of water shall be vacated under this option.

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C. Monitoring and/or Record keeping Requirements

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

2. 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. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

   Notwithstanding the frequency of reporting requirements specified above, the permittee may reduce the frequency of visual observations from daily to weekly for this emissions unit if the following conditions are met:

   a. for 1 full quarter the facility's visual observations indicate no visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified above.

   The permittee shall revert to daily readings if any visible emissions are observed.

3. Should a bag leak detector be installed and operated as specified in B.2 the facility shall maintain records of the details of each event where the audible alarm sounds. These records shall including the date, time, duration, cause, and the facility's response to the alarm. These records will normally record instances where an emissions violation was avoided. Should a bag leak detector be installed and operated as specified in B.2 the facility shall not be required to maintain records specified in C.1 and C.2 above.

D. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

2. 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 actions taken to eliminate the visible particulate emissions.

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These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

E. Testing Requirements

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

   a. Emission Limitation
   0% visible emissions from the baghouse stack, as a six-minute average

   Applicable Compliance Method
   Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if requested**.**

   b. Emission Limitation
   1.34 lbs PE/hour and 5.85 tons per year from the baghouse stack

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

   c. Emission Limitation
   0.67 lb PM-10 per hour and 2.92 tons per year from the baghouse stack

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

   d. Emission Limitation
   0.005 grain PE/dscf and 0.0025 grain PM-10/dscf from baghouse exhaust

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

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

   a. Emissions testing was conducted on P010 (P1-13326) on July 8, 2005, at Plant 1. Emissions testing was conducted on P021 (P2-10915) on July 6, 2005, and on P020 (P2-10918) on July 7, 2005, at Plant 2. Emissions testing was conducted on P006 (P3-12741) on July 19, 2005, at Plant 3. The results of this testing indicated the tested emissions units are operating in compliance with the emissions limitations

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specified in this permit. Emissions testing shall be completed on 2 - 6 of the following emissions units each year, such that all the listed emissions units have been tested within 5 years of issuance of this permit.

P1-P008 (P1-13325)	P1-P009 (P1-13327)
P1-P013 (P1-13323)	P2-P014 (P2-10905)
P2-P012 (P2-10903)	P2-P006 (P2-10916)
P2-P010 (P2-10904)	P2-P013 (P2-10914)
P2-P007 (P2-10911)	P2-P011 (P2-10909)
P2-P021 (P2-10917)	P3-P007 (P3-20879)
P3-P005 (P3-12740)	

The following emissions units exhaust inside the plant. The configuration of the baghouse stack and the air conditioning unit does not allow for emissions testing, as Reference Method 1 cannot be met. Should any of these units be modified to allow for emissions testing, the modified unit must be tested within 90 days following the modification.

P1-P012 (P1-13322)	P3-P001 (P3-20865)
P3-P002 (P3-20866)	P3-P003 (P3-12742)

b. The emission testing shall be conducted to demonstrate compliance with 0.005 grain PE per dscf and 0.0025 grain PM-10 per dscf and with the hourly mass emission limitations specified in A.1.

c. The following test methods shall be employed to demonstrate compliance with the allowable emission rates:

Methods 1 - 5 and 201.

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) 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.

e. 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).

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f. Personnel from the 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.

g. 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 Ohio EPA, Northeast District Office.

F. Miscellaneous Requirements

1. This permit to install (PTI 02-20473) is designed to contain all woodworking emissions units, excluding the coating application processes, roadways and parking areas, which are required to obtain a permit to install and a list of all insignificant emissions units at this facility. This permit will typically be modified whenever KraftMaid Cabinetry Plant 2 applies for a permit to either modify existing emissions units or to install new emissions units at this facility.

2. The permittee shall submit updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated Tables shall include an updated demonstration of loading to each baghouse. The updated tables shall include a complete list of emissions units for each table (including an identification of all emissions unit(s) that is/are permanently shut down and dismantled and new or replacement emissions units) as of the end of the calendar year and shall highlight or otherwise flag the changes from the previous year. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   After this report is submitted, the Director (the Ohio EPA, Northeast District Office) may consider the changes to determine if a modification to the issued permits is necessary. In general, a few changes which are not significant and which do not affect the operation of the control equipment will not trigger a request for an application to modify the issued permit be submitted.

   The updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 will be included in the next modification to PTI 02-20473. If none of the Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 requires an update, the permittee shall submit a report by February 28 of each year that states no revisions are required.

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3. The permittee shall submit an updated Emissions Unit Table P2-A (PTI exempt Emissions Units) to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated table shall include the complete list of emissions units including any PTI exempt emissions unit(s) installed during the last calendar year and an identification of all emissions unit(s) that is/are permanently shut down and dismantled. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   The updated Emissions Unit Table P2-A will be included in the next modification to PTI 02-20473. If Emissions Unit Table P2-A does not require an update, the permittee shall submit a report by February 28 of each year that states no revision is required.

4. This permit replaces any previous permit issued for any equipment included in this permit-to-install.

5. The following terms and conditions specified above are federally enforceable: A.1, A.2, B.1, B.2, C.1, C.2, C.3, D.1, D.2, E.1, E.2, F.1, F.2, F.3, and F.4.

TABLE P2-P11 for emissions unit P011 at Plant 2

EPA Label = P2-428
EPA Label = P2-10909
Date 6/2005

EQUIPMENT	**SIZE OF DUCT IN INCHES**
UV #2	
TIMESAVERS SANDER (1)	6
TIMESAVERS SANDER (1)	6
TIMESAVERS SANDER (1)	7
TIMESAVERS SANDER (1)	8
TIMESAVERS SANDER (1)	8
TIMESAVERS SANDER (1)	8
TIMESAVERS SANDER (2)	8
TIMESAVERS SANDER (2)	8
TIMESAVERS SANDER (2)	8
SORBINI EDGE COATER	4
SORBINI EDGE COATER	4
SORBINI EDGE COATER	4
SORBINI EDGE COATER	4
SORBINI EDGE COATER	4
SORBINI EDGE COATER	4
SORBINI EDGE COATER	4
SORBINI EDGE COATER	4
NOTCHER	4
NOTCHER	6
DODDS F&B DOVETAIL (NEW)	6

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DODDS F&B DOVETAIL (NEW)	6
DODDS F&B DOVETAIL (NEW)	6
DODDS F&B DOVETAIL (NEW)	6
DODDS F&B DOVETAIL (NEW)	6
DODDS F&B DOVETAIL (NEW)	6
DODDS F&B DOVETAIL (NEW DODDS)	6
DODDS F&B DOVETAIL (NEW DODDS)	6
DODDS SIDE MACHINE	4
DODDS SIDE MACHINE	4

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P012 consists of woodworking equipment vented to a 36,342 cfm baghouse, P2-10903 (former facility ID P2-439). See attached Table P2-P12 (P2 is Plant 2.) Modification	OAC rule 3745-31-05 (A)(3)	0.005 grain particulate emissions (PE) per dscf and 0.0025 grain particulate matter less than 10 microns (PM-10) per dscf from the baghouse stack 1.56 lbs PE/hour and 6.82 tons per year from the baghouse stack 0.78 lb PM-10 per hour and 3.41 tons per year from the baghouse stack 0% visible emissions from the baghouse stack, as a six-minute average
	OAC rule 3745-17-11 (B) OAC rule 3745-17-07(A)	The requirements established pursuant to OAC rules 3745-17-11 (B) and 3745-17-07(A) are less restrictive than the requirements established pursuant to OAC rule 3745-31-05 (A)(3).

2. Additional Terms and Conditions

2.a The following is a list of the tables of emissions units which is attached to this permit to install (PTI 02-20473):

Table P2-P6 P006 - Emission Units which are vented to Baghouse P2-10916

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Table P2-P7	P007 - Emission Units which are vented to Baghouse P2-10911
Table P2-P8	P008 - Emission Units which are vented to Baghouse P2-21588
Table P2-P9	P009 - Emission Units which are vented to Baghouse P2-10906
Table P2-P10	P010 - Emission Units which are vented to Baghouse P2-10904
Table P2-P11	P011 - Emission Units which are vented to Baghouse P2-10909
Table P2-P12	P012 - Emission Units which are vented to Baghouse P2-10903
Table P2-P13	P013 - Emission Units which are vented to Baghouse P2-10914
Table P2-P14	P014 - Emission Units which are vented to Baghouse P2-10905
Table P2-P15	P015 - Emission Units which are vented to Baghouse P2-10912
Table P2-P16	P016 - Emission Units which are vented to Baghouse P2-10920
Table P2-P17	P017 - Emission Units which are vented to Baghouse P2-10921
Table P2-P18	P018 - Emission Units which are vented to Baghouse P2-10907
Table P2-P19	P019 - Emission Units which are vented to Baghouse P2-10918
Table P2-P20	P020 - Emission Units which are vented to Baghouse P2-10915
Table P2-P21	P021 - Emission Units which are vented to Baghouse P2-10917
Table P2-A	All PTI exempt woodworking Emissions Units at Plant 2

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation. The listed pressure drop range applies at all times except following rebagging until sufficient filter cake is developed on the bags.

2. The facility shall retain the option to install a bag leak detector. Should this option be chosen, the bag leak detector shall be properly installed and calibrated, operated and maintained. An audible alarm shall be installed to sound should emissions above the percent saturation, determined during the calibration testing, be exceeded. The requirement to operate this emissions unit within the pressure drop range of 1 to 5 inches of water shall be vacated under this option.

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C. Monitoring and/or Record keeping Requirements

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

2. 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. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

   Notwithstanding the frequency of reporting requirements specified above, the permittee may reduce the frequency of visual observations from daily to weekly for this emissions unit if the following conditions are met:

   a. for 1 full quarter the facility's visual observations indicate no visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified above.

   The permittee shall revert to daily readings if any visible emissions are observed.

3. Should a bag leak detector be installed and operated as specified in B.2 the facility shall maintain records of the details of each event where the audible alarm sounds. These records shall including the date, time, duration, cause, and the facility's response to the alarm. These records will normally record instances where an emissions violation was avoided. Should a bag leak detector be installed and operated as specified in B.2 the facility shall not be required to maintain records specified in C.1 and C.2 above.

D. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

2. 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 actions taken to eliminate the visible particulate emissions.

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These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

E. Testing Requirements

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

   a. Emission Limitation
   0% visible emissions from the baghouse stack, as a six-minute average

   Applicable Compliance Method
   Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if requested**.**

   b. Emission Limitation
   1.56 lbs PE/hour and 6.82 tons per year from the baghouse stack

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

   c. Emission Limitation
   0.78 lb PM-10 per hour and 3.41 tons per year from the baghouse stack

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

   d. Emission Limitation
   0.005 grain PE/dscf and 0.0025 grain PM-10/dscf from baghouse exhaust

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

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

   a. Emissions testing was conducted on P010 (P1-13326) on July 8, 2005, at Plant 1. Emissions testing was conducted on P021 (P2-10915) on July 6, 2005, and on P020 (P2-10918) on July 7, 2005, at Plant 2. Emissions testing was conducted on P006 (P3-12741) on July 19, 2005, at Plant 3. The results of this testing indicated the tested emissions units are operating in compliance with the emissions limitations

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specified in this permit. Emissions testing shall be completed on 2 - 6 of the following emissions units each year, such that all the listed emissions units have been tested within 5 years of issuance of this permit.

P1-P008 (P1-13325)	P1-P009 (P1-13327)
P1-P013 (P1-13323)	P2-P014 (P2-10905)
P2-P012 (P2-10903)	P2-P006 (P2-10916)
P2-P010 (P2-10904)	P2-P013 (P2-10914)
P2-P007 (P2-10911)	P2-P011 (P2-10909)
P2-P021 (P2-10917)	P3-P007 (P3-20879)
P3-P005 (P3-12740)	

The following emissions units exhaust inside the plant. The configuration of the baghouse stack and the air conditioning unit does not allow for emissions testing, as Reference Method 1 cannot be met. Should any of these units be modified to allow for emissions testing, the modified unit must be tested within 90 days following the modification.

P1-P012 (P1-13322)	P3-P001 (P3-20865)
P3-P002 (P3-20866)	P3-P003 (P3-12742)

b. The emission testing shall be conducted to demonstrate compliance with 0.005 grain PE per dscf and 0.0025 grain PM-10 per dscf and with the hourly mass emission limitations specified in A.1.

c. The following test methods shall be employed to demonstrate compliance with the allowable emission rates:

Methods 1 - 5 and 201.

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) 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.

e. 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).

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f. Personnel from the 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.

g. 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 Ohio EPA, Northeast District Office.

F. Miscellaneous Requirements

1. This permit to install (PTI 02-20473) is designed to contain all woodworking emissions units, excluding the coating application processes, roadways and parking areas, which are required to obtain a permit to install and a list of all insignificant emissions units at this facility. This permit will typically be modified whenever KraftMaid Cabinetry Plant 2 applies for a permit to either modify existing emissions units or to install new emissions units at this facility.

2. The permittee shall submit updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated Tables shall include an updated demonstration of loading to each baghouse. The updated tables shall include a complete list of emissions units for each table (including an identification of all emissions unit(s) that is/are permanently shut down and dismantled and new or replacement emissions units) as of the end of the calendar year and shall highlight or otherwise flag the changes from the previous year. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   After this report is submitted, the Director (the Ohio EPA, Northeast District Office) may consider the changes to determine if a modification to the issued permits is necessary. In general, a few changes which are not significant and which do not affect the operation of the control equipment will not trigger a request for an application to modify the issued permit be submitted.

   The updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 will be included in the next modification to PTI 02-20473. If none of the Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 requires an update, the permittee shall submit a report by February 28 of each year that states no revisions are required.

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3. The permittee shall submit an updated Emissions Unit Table P2-A (PTI exempt Emissions Units) to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated table shall include the complete list of emissions units including any PTI exempt emissions unit(s) installed during the last calendar year and an identification of all emissions unit(s) that is/are permanently shut down and dismantled. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   The updated Emissions Unit Table P2-A will be included in the next modification to PTI 02-20473. If Emissions Unit Table P2-A does not require an update, the permittee shall submit a report by February 28 of each year that states no revision is required.

4. This permit replaces any previous permit issued for any equipment included in this permit-to-install.

5. The following terms and conditions specified above are federally enforceable: A.1, A.2, B.1, B.2, C.1, C.2, C.3, D.1, D.2, E.1, E.2, F.1, F.2, F.3, and F.4.

TABLE P2-P12 for emissions unit P012 at Plant 2

EPA Label = P2-439
EPA Label = P2-10903
Date 6/2005

BASE END LINE	**SIZE OF DUCT IN INCHES**
KOCH TOE NOTCH	3
KOCH TOE NOTCH	3
KOCH TOE NOTCH	3
KOCH TOE NOTCH	3
BRUSH	6
BRUSH	6
WEEKE #819 BST 100	6
WALL END LINE	
BRUSH	6
BRUSH	6
DET	9
DET	9
WEEKE BST 100	6
EDGEBANDER	5
EDGEBANDER	5
EDGEBANDER	7
EDGEBANDER	7
EDGEBANDER	10
EDGEBANDER	10
DET	9
DET	9

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HEAVY MILL		
WEEKE BST 500		6
EDGEBANDER/77		4
EDGEBANDER/77		6
EDGEBANDER/77		6
EDGEBANDER/77		7
OPTIMAT EDGEBANDER	5	
OPTIMAT EDGEBANDER	5	

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P013 consists of woodworking equipment vented to a 40,000 cfm baghouse, P2-10914 (former facility ID P2-535). See attached Table P2-P13. (P2 is Plant 2.) Modification	OAC rule 3745-31-05 (A)(3)	0.005 grain particulate emissions (PE) per dscf and 0.0025 grain particulate matter less than 10 microns (PM-10) per dscf from the baghouse stack 1.71 lbs PE/hour and 7.51 tons per year from the baghouse stack 0.86 lb PM-10 per hour and 3.75 tons per year from the baghouse stack 0% visible emissions from the baghouse stack, as a six-minute average
	OAC rule 3745-17-11 (B) OAC rule 3745-17-07 (A)(1)	The requirements established pursuant to OAC rules 3745-17-11 (B) and 3745-17-07 (A) are less restrictive than the requirements established pursuant to OAC rule 3745-31-05 (A)(3).

2. Additional Terms and Conditions

2.a The following is a list of the tables of emissions units which is attached to this permit to install (PTI 02-20473):

Table P2-P6 P006 - Emission Units which are vented to Baghouse P2-10916

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Table P2-P7	P007 - Emission Units which are vented to Baghouse P2-10911
Table P2-P8	P008 - Emission Units which are vented to Baghouse P2-21588
Table P2-P9	P009 - Emission Units which are vented to Baghouse P2-10906
Table P2-P10	P010 - Emission Units which are vented to Baghouse P2-10904
Table P2-P11	P011 - Emission Units which are vented to Baghouse P2-10909
Table P2-P12	P012 - Emission Units which are vented to Baghouse P2-10903
Table P2-P13	P013 - Emission Units which are vented to Baghouse P2-10914
Table P2-P14	P014 - Emission Units which are vented to Baghouse P2-10905
Table P2-P15	P015 - Emission Units which are vented to Baghouse P2-10912
Table P2-P16	P016 - Emission Units which are vented to Baghouse P2-10920
Table P2-P17	P017 - Emission Units which are vented to Baghouse P2-10921
Table P2-P18	P018 - Emission Units which are vented to Baghouse P2-10907
Table P2-P19	P019 - Emission Units which are vented to Baghouse P2-10918
Table P2-P20	P020 - Emission Units which are vented to Baghouse P2-10915
Table P2-P21	P021 - Emission Units which are vented to Baghouse P2-10917
Table P2-A	All PTI exempt woodworking Emissions Units at Plant 2

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation. The listed pressure drop range applies at all times except following rebagging until sufficient filter cake is developed on the bags.

2. The facility shall retain the option to install a bag leak detector. Should this option be chosen, the bag leak detector shall be properly installed and calibrated, operated and maintained. An audible alarm shall be installed to sound should emissions above the percent saturation, determined during the calibration testing, be exceeded. The requirement to operate this emissions unit within the pressure drop range of 1 to 5 inches of water shall be vacated under this option.

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C. Monitoring and/or Record keeping Requirements

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

2. 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. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

   Notwithstanding the frequency of reporting requirements specified above, the permittee may reduce the frequency of visual observations from daily to weekly for this emissions unit if the following conditions are met:

   a. for 1 full quarter the facility's visual observations indicate no visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified above.

   The permittee shall revert to daily readings if any visible emissions are observed.

3. Should a bag leak detector be installed and operated as specified in B.2 the facility shall maintain records of the details of each event where the audible alarm sounds. These records shall including the date, time, duration, cause, and the facility's response to the alarm. These records will normally record instances where an emissions violation was avoided. Should a bag leak detector be installed and operated as specified in B.2 the facility shall not be required to maintain records specified in C.1 and C.2 above.

D. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

2. 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 actions taken to eliminate the visible particulate emissions.

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These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

E. Testing Requirements

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

   a. Emission Limitation
   0% visible emissions from the baghouse stack, as a six-minute average

   Applicable Compliance Method
   Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if requested.

   b. Emission Limitation
   1.71 lbs PE/hour and 7.51 tons per year from the baghouse stack

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

   c. Emission Limitation
   0.86 lb PM-10 per hour and 3.75 tons per year from the baghouse stack

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

   d. Emission Limitation
   0.005 grain PE/dscf and 0.0025 grain PM-10/dscf from baghouse exhaust

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

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

   a. Emissions testing was conducted on P010 (P1-13326) on July 8, 2005, at Plant 1. Emissions testing was conducted on P021 (P2-10915) on July 6, 2005, and on P020 (P2-10918) on July 7, 2005, at Plant 2. Emissions testing was conducted on P006 (P3-12741) on July 19, 2005, at Plant 3. The results of this testing indicated the tested emissions units are operating in compliance with the emissions limitations

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specified in this permit. Emissions testing shall be completed on 2 - 6 of the following emissions units each year, such that all the listed emissions units have been tested within 5 years of issuance of this permit.

P1-P008 (P1-13325)	P1-P009 (P1-13327)
P1-P013 (P1-13323)	P2-P014 (P2-10905)
P2-P012 (P2-10903)	P2-P006 (P2-10916)
P2-P010 (P2-10904)	P2-P013 (P2-10914)
P2-P007 (P2-10911)	P2-P011 (P2-10909)
P2-P021 (P2-10917)	P3-P007 (P3-20879)
P3-P005 (P3-12740)	

The following emissions units exhaust inside the plant. The configuration of the baghouse stack and the air conditioning unit does not allow for emissions testing, as Reference Method 1 cannot be met. Should any of these units be modified to allow for emissions testing, the modified unit must be tested within 90 days following the modification.

P1-P012 (P1-13322)	P3-P001 (P3-20865)
P3-P002 (P3-20866)	P3-P003 (P3-12742)

b. The emission testing shall be conducted to demonstrate compliance with 0.005 grain PE per dscf and 0.0025 grain PM-10 per dscf and with the hourly mass emission limitations specified in A.1.

c. The following test methods shall be employed to demonstrate compliance with the allowable emission rates:

Methods 1 - 5 and 201.

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) 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.

e. 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).

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f. Personnel from the 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.

g. 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 Ohio EPA, Northeast District Office.

F. Miscellaneous Requirements

1. This permit to install (PTI 02-20473) is designed to contain all woodworking emissions units, excluding the coating application processes, roadways and parking areas, which are required to obtain a permit to install and a list of all insignificant emissions units at this facility. This permit will typically be modified whenever KraftMaid Cabinetry Plant 2 applies for a permit to either modify existing emissions units or to install new emissions units at this facility.

2. The permittee shall submit updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated Tables shall include an updated demonstration of loading to each baghouse. The updated tables shall include a complete list of emissions units for each table (including an identification of all emissions unit(s) that is/are permanently shut down and dismantled and new or replacement emissions units) as of the end of the calendar year and shall highlight or otherwise flag the changes from the previous year. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   After this report is submitted, the Director (the Ohio EPA, Northeast District Office) may consider the changes to determine if a modification to the issued permits is necessary. In general, a few changes which are not significant and which do not affect the operation of the control equipment will not trigger a request for an application to modify the issued permit be submitted.

   The updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 will be included in the next modification to PTI 02-20473. If none of the Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 requires an update, the permittee shall submit a report by February 28 of each year that states no revisions are required.

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3. The permittee shall submit an updated Emissions Unit Table P2-A (PTI exempt Emissions Units) to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated table shall include the complete list of emissions units including any PTI exempt emissions unit(s) installed during the last calendar year and an identification of all emissions unit(s) that is/are permanently shut down and dismantled. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   The updated Emissions Unit Table P2-A will be included in the next modification to PTI 02-20473. If Emissions Unit Table P2-A does not require an update, the permittee shall submit a report by February 28 of each year that states no revision is required.

4. This permit replaces any previous permit issued for any equipment included in this permit-to-install.

5. The following terms and conditions specified above are federally enforceable: A.1, A.2, B.1, B.2, C.1, C.2, C.3, D.1, D.2, E.1, E.2, F.1, F.2, F.3, and F.4.

TABLE P2-P13 for emissions unit P013 at Plant 2

EPA Label = P2-535
EPA Label = P2-10914
Date 6/2005

EQUIPMENT	**SIZE OF DUCT IN INCHES**	
CUSTOM CUTTING		
SE9400 EDGEBANDER 159		6
SE9400 EDGEBANDER 159		6
KL-10 EDGEBANDER 161	5	
KL-10 EDGEBANDER 161	5	
KL-10 EDGEBANDER 161	8	
BACK GROOVE SAW/UNIT 85		6
HOLZMA #21		7
HOLZMA #21		9
HOLZMA #21		10
TOE KICK P2-964		6
PIN ROUTER P2-125		4
PIN ROUTER P2-125		7
POWERMATIC SAW		5
HOLZMA #22		7
HOLZMA #22		9
HOLZMA #22		10
HOLZMA #23		7
HOLZMA #23		9
HOLZMA #23		10
FLOOR & CEILING ROUTER		4

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FLOOR & CEILING ROUTER	4
HOLZMA #24	7
HOLZMA #24	9
HOLZMA #24	10
BHC 600	5
BHC 600	5
BHC 600	5
BHC 600	5
BHC 600	5

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P014 consists of woodworking equipment vented to a 39,400 cfm baghouse, P2-10905 (former facility ID P2-554). See attached Table P2-P14 (P2 is Plant 2.) Modification	OAC rule 3745-31-05 (A)(3)	0.005 grain particulate emissions (PE) per dscf and 0.0025 grain particulate matter less than 10 microns (PM-10) per dscf from the baghouse stack 1.69 lbs PE/hour and 7.40 tons per year from the baghouse stack 0.84 lb PM-10 per hour and 3.70 tons per year from the baghouse stack 0% visible emissions from the baghouse stack, as a six-minute average
	OAC rule 3745-17-11 (B) OAC rule 3745-17-07 (A)(1)	The requirements established pursuant to OAC rules 3745-17-11 (B) and 3745-17-07 (A) are less restrictive than the requirements established pursuant to OAC rule 3745-31-05 (A)(3).

2. **Additional Terms and Conditions**

2.a The following is a list of the tables of emissions units which is attached to this permit to install (PTI 02-20473):

Table P2-P6 P006 - Emission Units which are vented to Baghouse P2-10916

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Table P2-P7	P007 - Emission Units which are vented to Baghouse P2-10911
Table P2-P8	P008 - Emission Units which are vented to Baghouse P2-21588
Table P2-P9	P009 - Emission Units which are vented to Baghouse P2-10906
Table P2-P10	P010 - Emission Units which are vented to Baghouse P2-10904
Table P2-P11	P011 - Emission Units which are vented to Baghouse P2-10909
Table P2-P12	P012 - Emission Units which are vented to Baghouse P2-10903
Table P2-P13	P013 - Emission Units which are vented to Baghouse P2-10914
Table P2-P14	P014 - Emission Units which are vented to Baghouse P2-10905
Table P2-P15	P015 - Emission Units which are vented to Baghouse P2-10912
Table P2-P16	P016 - Emission Units which are vented to Baghouse P2-10920
Table P2-P17	P017 - Emission Units which are vented to Baghouse P2-10921
Table P2-P18	P018 - Emission Units which are vented to Baghouse P2-10907
Table P2-P19	P019 - Emission Units which are vented to Baghouse P2-10918
Table P2-P20	P020 - Emission Units which are vented to Baghouse P2-10915
Table P2-P21	P021 - Emission Units which are vented to Baghouse P2-10917
Table P2-A	All PTI exempt woodworking Emissions Units at Plant 2

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation. The listed pressure drop range applies at all times except following rebagging until sufficient filter cake is developed on the bags.

2. The facility shall retain the option to install a bag leak detector. Should this option be chosen, the bag leak detector shall be properly installed and calibrated, operated and maintained. An audible alarm shall be installed to sound should emissions above the percent saturation, determined during the calibration testing, be exceeded. The requirement to operate this emissions unit within the pressure drop range of 1 to 5 inches of water shall be vacated under this option.

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C. Monitoring and/or Record keeping Requirements

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

2. 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. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

   Notwithstanding the frequency of reporting requirements specified above, the permittee may reduce the frequency of visual observations from daily to weekly for this emissions unit if the following conditions are met:

   a. for 1 full quarter the facility's visual observations indicate no visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified above.

3. Should a bag leak detector be installed and operated as specified in B.2 the facility shall maintain records of the details of each event where the audible alarm sounds. These records shall including the date, time, duration, cause, and the facility's response to the alarm. These records will normally record instances where an emissions violation was avoided. Should a bag leak detector be installed and operated as specified in B.2 the facility shall not be required to maintain records specified in C.1 and C.2 above.

D. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

2. 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 actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods.

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Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

E. Testing Requirements

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

   a. Emission Limitation
   0% visible emissions from the baghouse stack, as a six-minute average

   Applicable Compliance Method
   Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if requested.

   b. Emission Limitation
   1.69 lbs PE/hour and 7.40 tons per year from the baghouse stack

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

   c. Emission Limitation
   0.84 lb PM-10 per hour and 3.70 tons per year from the baghouse stack

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

   d. Emission Limitation
   0.005 grain PE/dscf and 0.0025 grain PM-10/dscf from baghouse exhaust

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

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

   a. Emissions testing was conducted on P010 (P1-13326) on July 8, 2005, at Plant 1. Emissions testing was conducted on P021 (P2-10915) on July 6, 2005, and on P020 (P2-10918) on July 7, 2005, at Plant 2. Emissions testing was conducted on P006 (P3-12741) on July 19, 2005, at Plant 3. The results of this testing indicated the tested emissions units are operating in compliance with the emissions limitations specified in this permit. Emissions testing shall be completed on 2 - 6 of the following emissions units each year, such that all the listed emissions units have been tested within 5 years of issuance of this permit.

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P1-P008 (P1-13325)	P1-P009 (P1-13327)
P1-P013 (P1-13323)	P2-P014 (P2-10905)
P2-P012 (P2-10903)	P2-P006 (P2-10916)
P2-P010 (P2-10904)	P2-P013 (P2-10914)
P2-P007 (P2-10911)	P2-P011 (P2-10909)
P2-P021 (P2-10917)	P3-P007 (P3-20879)
P3-P005 (P3-12740)	

The following emissions units exhaust inside the plant. The configuration of the baghouse stack and the air conditioning unit does not allow for emissions testing, as Reference Method 1 cannot be met. Should any of these units be modified to allow for emissions testing, the modified unit must be tested within 90 days following the modification.

P1-P012 (P1-13322)	P3-P001 (P3-20865)
P3-P002 (P3-20866)	P3-P003 (P3-12742)

b. The emission testing shall be conducted to demonstrate compliance with 0.005 grain PE per dscf and 0.0025 grain PM-10 per dscf and with the hourly mass emission limitations specified in A.1.

c. The following test methods shall be employed to demonstrate compliance with the allowable emission rates:

Methods 1 - 5 and 201.

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) 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.

e. 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).

f. Personnel from the 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.

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g. 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 Ohio EPA, Northeast District Office.

F. Miscellaneous Requirements

1. This permit to install (PTI 02-20473) is designed to contain all woodworking emissions units, excluding the coating application processes, roadways and parking areas, which are required to obtain a permit to install and a list of all insignificant emissions units at this facility. This permit will typically be modified whenever KraftMaid Cabinetry Plant 2 applies for a permit to either modify existing emissions units or to install new emissions units at this facility.

2. The permittee shall submit updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated Tables shall include an updated demonstration of loading to each baghouse. The updated tables shall include a complete list of emissions units for each table (including an identification of all emissions unit(s) that is/are permanently shut down and dismantled and new or replacement emissions units) as of the end of the calendar year and shall highlight or otherwise flag the changes from the previous year. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   After this report is submitted, the Director (the Ohio EPA, Northeast District Office) may consider the changes to determine if a modification to the issued permits is necessary. In general, a few changes which are not significant and which do not affect the operation of the control equipment will not trigger a request for an application to modify the issued permit be submitted.

   The updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 will be included in the next modification to PTI 02-20473. If none of the Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 requires an update, the permittee shall submit a report by February 28 of each year that states no revisions are required.

3. The permittee shall submit an updated Emissions Unit Table P2-A (PTI exempt Emissions Units) to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated table shall include the complete list of emissions units including any PTI exempt emissions unit(s) installed during the last calendar year and an identification of all emissions unit(s) that is/are permanently shut down and dismantled. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

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The updated Emissions Unit Table P2-A will be included in the next modification to PTI 02-20473. If Emissions Unit Table P2-A does not require an update, the permittee shall submit a report by February 28 of each year that states no revision is required.

4. This permit replaces any previous permit issued for any equipment included in this permit-to-install.

5. The following terms and conditions specified above are federally enforceable: A.1, A.2, B.1, B.2, C.1, C.2, C.3, D.1, D.2, E.1, E.2, F.1, F.2, F.3, and F.4.

TABLE P2-P14 for emissions unit P014 at Plant 2

EPA Label = P2-554
EPA Label = P2-10905
Date 6/2005

EQUIPMENT	**SIZE OF DUCT IN INCHES**
HEAVY MILLING	
WEIMA GRINDER P2-921	10
HOLZMA #3	3
HOLZMA #3	6
HOLZMA #3	6
HOLZMA #3	8
CHALLENGER GRINDER	8
NOTCHER	5
NOTCHER	5
HOLZMA #2	3
HOLZMA #2	3
HOLZMA #2	6
HOLZMA #2	6
HOLZMA #2	6
HOLZMA #2	8
HOLZMA #1	3
HOLZMA #1	3
HOLZMA #1	3
HOLZMA #1	6
HOLZMA #1	6
HOLZMA #1	6
HOLZMA #1	8
HOLZMA #1	8

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P015 consists of woodworking equipment vented to a 31,150 cfm baghouse, P2-10912 (former facility ID P2-634). See attached Table P2-P15. (P2 is Plant 2.)	OAC rule 3745-31-05 (A)(3)	0.005 grain particulate emissions (PE) per dscf and 0.0025 grain particulate matter less than 10 microns (PM-10) per dscf from the baghouse stack 1.34 lbs PE/hour and 5.85 tons per year from the baghouse stack 0.67 lb PM-10 per hour and 2.92 tons per year from the baghouse stack 0% visible emissions from the baghouse stack, as a six-minute average
	OAC rule 3745-17-11 (B) OAC rule 3745-17-07 (A)(1)	The requirements established pursuant to OAC rules 3745-17-11 (B) and 3745-17-07 (A) are less restrictive than the requirements established pursuant to OAC rule 3745-31-05 (A)(3).

2. **Additional Terms and Conditions**

2.a The following is a list of the tables of emissions units which is attached to this permit to install (PTI 02-20473):

Table P2-P6 P006 - Emission Units which are vented to Baghouse P2-10916

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Table P2-P7	P007 - Emission Units which are vented to Baghouse P2-10911
Table P2-P8	P008 - Emission Units which are vented to Baghouse P2-21588
Table P2-P9	P009 - Emission Units which are vented to Baghouse P2-10906
Table P2-P10	P010 - Emission Units which are vented to Baghouse P2-10904
Table P2-P11	P011 - Emission Units which are vented to Baghouse P2-10909
Table P2-P12	P012 - Emission Units which are vented to Baghouse P2-10903
Table P2-P13	P013 - Emission Units which are vented to Baghouse P2-10914
Table P2-P14	P014 - Emission Units which are vented to Baghouse P2-10905
Table P2-P15	P015 - Emission Units which are vented to Baghouse P2-10912
Table P2-P16	P016 - Emission Units which are vented to Baghouse P2-10920
Table P2-P17	P017 - Emission Units which are vented to Baghouse P2-10921
Table P2-P18	P018 - Emission Units which are vented to Baghouse P2-10907
Table P2-P19	P019 - Emission Units which are vented to Baghouse P2-10918
Table P2-P20	P020 - Emission Units which are vented to Baghouse P2-10915
Table P2-P21	P021 - Emission Units which are vented to Baghouse P2-10917
Table P2-A	All PTI exempt woodworking Emissions Units at Plant 2

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation. The listed pressure drop range applies at all times except following rebagging until sufficient filter cake is developed on the bags.

2. The facility shall retain the option to install a bag leak detector. Should this option be chosen, the bag leak detector shall be properly installed and calibrated, operated and maintained. An audible alarm shall be installed to sound should emissions above the percent saturation, determined during the calibration testing, be exceeded. The requirement to operate this emissions unit within the pressure drop range of 1 to 5 inches of water shall be vacated under this option.

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C. Monitoring and/or Record keeping Requirements

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

2. 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. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

   Notwithstanding the frequency of reporting requirements specified above, the permittee may reduce the frequency of visual observations from daily to weekly for this emissions unit if the following conditions are met:

   a. for 1 full quarter the facility's visual observations indicate no visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified above.

   The permittee shall revert to daily readings if any visible emissions are observed.

3. Should a bag leak detector be installed and operated as specified in B.2 the facility shall maintain records of the details of each event where the audible alarm sounds. These records shall including the date, time, duration, cause, and the facility's response to the alarm. These records will normally record instances where an emissions violation was avoided. Should a bag leak detector be installed and operated as specified in B.2 the facility shall not be required to maintain records specified in C.1 and C.2 above.

D. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

2. 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 actions taken to eliminate the visible particulate emissions.

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These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

E. Testing Requirements

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

   a. Emission Limitation
   0% visible emissions from the baghouse stack, as a six-minute average

   Applicable Compliance Method
   Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if requested.

   b. Emission Limitation
   1.34 lbs PE/hour and 5.85 tons per year from the baghouse stack

   Applicable Compliance Method
   This limitation is based upon the design of the baghouse and compliance with the grain loading limitation. Compliance with the grain loading limitation has been demonstrated at similar, but larger, control equipment at this facility. OAC rule 3745-17-03(B)(10), if requested.

   c. Emission Limitation
   0.67 lb PM-10 per hour and 2.92 tons per year from the baghouse stack

   Applicable Compliance Method
   This limitation is based upon the design of the baghouse and compliance with the grain loading limitation. Compliance with the grain loading limitation has been demonstrated at similar, but larger, control equipment at this facility. OAC rule 3745-17-03(B)(10), if requested.

   d. Emission Limitation
   0.005 grain PE/dscf and 0.0025 grain PM-10/dscf from baghouse exhaust

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10), if requested.

F. Miscellaneous Requirements

1. This permit to install (PTI 02-20473) is designed to contain all woodworking emissions units, excluding the coating application processes, roadways and parking areas, which are

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required to obtain a permit to install and a list of all insignificant emissions units at this facility. This permit will typically be modified whenever KraftMaid Cabinetry Plant 2 applies for a permit to either modify existing emissions units or to install new emissions units at this facility.

2. The permittee shall submit updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated Tables shall include an updated demonstration of loading to each baghouse. The updated tables shall include a complete list of emissions units for each table (including an identification of all emissions unit(s) that is/are permanently shut down and dismantled and new or replacement emissions units) as of the end of the calendar of the calendar year and shall highlight or otherwise flag the changes from the previous year. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   After this report is submitted, the Director (the Ohio EPA, Northeast District Office) may consider the changes to determine if a modification to the issued permits is necessary. In general, a few changes which are not significant and which do not affect the operation of the control equipment will not trigger a request for an application to modify the issued permit be submitted.

   The updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 will be included in the next modification to PTI 02-20473. If none of the Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 requires an update, the permittee shall submit a report by February 28 of each year that states no revisions are required.

3. The permittee shall submit an updated Emissions Unit Table P2-A (PTI exempt Emissions Units) to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated table shall include the complete list of emissions units including any PTI exempt emissions unit(s) installed during the last calendar year and an identification of all emissions unit(s) that is/are permanently shut down and dismantled. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   The updated Emissions Unit Table P2-A will be included in the next modification to PTI 02-20473. If Emissions Unit Table P2-A does not require an update, the permittee shall submit a report by February 28 of each year that states no revision is required.

4. This permit replaces any previous permit issued for any equipment included in this permit-to-install.

5. The following terms and conditions specified above are federally enforceable: A.1, A.2, B.1, B.2, C.1, C.2, C.3, D.1, D.2, E.1, F.1, F.2, F.3, and F.4.

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TABLE P2-P15 for emissions unit P015 at Plant 2

EPA Label = P2-634
EPA Label = P2-10912
Date 6/2005

EQUIPMENT	**SIZE OF DUCT IN INCHES**
UV #1	
HEESMANN SANDER LSM 8	6
HEESMANN SANDER LSM 8	6
HEESMANN SANDER LSM 8	6
HEESMANN SANDER LSM 8	7
HEESMANN SANDER LSM 8	7
HEESMANN SANDER LSM 8	7
HEESMANN SANDER LSM 8	7
HEESMANN SANDER LSM 8	7
HEESMANN SANDER LSM 8	7
HEESMANN SANDER LSM 8	9
HEESMANN SANDER LSM 8 (2)	6
HEESMANN SANDER LSM 8 (2)	6
HEESMANN SANDER LSM 8 (2)	6
HEESMANN SANDER LSM 8 (2)	6
HEESMANN SANDER LSM 8 (2)	7
HEESMANN SANDER LSM 8 (2)	7
HEESMANN SANDER LSM 8 (2)	7
HEESMANN SANDER LSM 8 (2)	7
HEESMANN SANDER LSM 8 (2)	9

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P016 consists of woodworking equipment vented to a 12,500 cfm baghouse. P2-10920 (former facility ID P2-635). See attached Table P2-P16 (P2 is Plant 2.)	OAC rule 3745-31-05 (A)(3)	0.005 grain particulate emissions (PE) per dscf and 0.0025 grain particulate matter less than 10 microns (PM-10) per dscf from the baghouse stack 0.54 lb PE/hour and 2.35 tons per year from the baghouse stack 0.27 lb PM-10 per hour and 1.17 tons per year from the baghouse stack 0% visible emissions from the baghouse stack, as a six-minute average
	OAC rule 3745-17-11 (B) OAC rule 3745-17-07 (A)(1)	The requirements established pursuant to OAC rules 3745-17-11 (B) and 3745-17-07 (A) are less restrictive than the requirements established pursuant to OAC rule 3745-31-05 (A)(3).

2. **Additional Terms and Conditions**

2.a The following is a list of the tables of emissions units which is attached to this permit to install (PTI 02-20473):

Table P2-P6 P006 - Emission Units which are vented to Baghouse P2-10916

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Table P2-P7	P007 - Emission Units which are vented to Baghouse P2-10911
Table P2-P8	P008 - Emission Units which are vented to Baghouse P2-21588
Table P2-P9	P009 - Emission Units which are vented to Baghouse P2-10906
Table P2-P10	P010 - Emission Units which are vented to Baghouse P2-10904
Table P2-P11	P011 - Emission Units which are vented to Baghouse P2-10909
Table P2-P12	P012 - Emission Units which are vented to Baghouse P2-10903
Table P2-P13	P013 - Emission Units which are vented to Baghouse P2-10914
Table P2-P14	P014 - Emission Units which are vented to Baghouse P2-10905
Table P2-P15	P015 - Emission Units which are vented to Baghouse P2-10912
Table P2-P16	P016 - Emission Units which are vented to Baghouse P2-10920
Table P2-P17	P017 - Emission Units which are vented to Baghouse P2-10921
Table P2-P18	P018 - Emission Units which are vented to Baghouse P2-10907
Table P2-P19	P019 - Emission Units which are vented to Baghouse P2-10918
Table P2-P20	P020 - Emission Units which are vented to Baghouse P2-10915
Table P2-P21	P021 - Emission Units which are vented to Baghouse P2-10917
Table P2-A	All PTI exempt woodworking Emissions Units at Plant 2

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation. The listed pressure drop range applies at all times except following rebagging until sufficient filter cake is developed on the bags.

2. The facility shall retain the option to install a bag leak detector. Should this option be chosen, the bag leak detector shall be properly installed and calibrated, operated and maintained. An audible alarm shall be installed to sound should emissions above the percent saturation, determined during the calibration testing, be exceeded. The requirement to operate this emissions unit within the pressure drop range of 1 to 5 inches of water shall be vacated under this option.

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C. Monitoring and/or Record keeping Requirements

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

2. 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. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

   Notwithstanding the frequency of reporting requirements specified above, the permittee may reduce the frequency of visual observations from daily to weekly for this emissions unit if the following conditions are met:

   a. for 1 full quarter the facility's visual observations indicate no visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified above.

   The permittee shall revert to daily readings if any visible emissions are observed.

3. Should a bag leak detector be installed and operated as specified in B.2 the facility shall maintain records of the details of each event where the audible alarm sounds. These records shall including the date, time, duration, cause, and the facility's response to the alarm. These records will normally record instances where an emissions violation was avoided. Should a bag leak detector be installed and operated as specified in B.2 the facility shall not be required to maintain records specified in C.1 and C.2 above.

D. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

2. 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 actions taken to eliminate the visible particulate emissions.

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These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

E. Testing Requirements

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

   a. Emission Limitation
   0% visible emissions from the baghouse stack, as a six-minute average

   Applicable Compliance Method
   Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if requested**.**

   b. Emission Limitation
   0.54 lb PE/hour and 2.35 tons per year from the baghouse stack

   Applicable Compliance Method
   This limitation is based upon the design of the baghouse and compliance with the grain loading limitation. Compliance with the grain loading limitation has been demonstrated at similar, but larger, control equipment at this facility. OAC rule 3745-17-03(B)(10), if requested.

   c. Emission Limitation
   0.27 lb PM-10 per hour and 1.17 tons per year from the baghouse stack

   Applicable Compliance Method
   This limitation is based upon the design of the baghouse and compliance with the grain loading limitation. Compliance with the grain loading limitation has been demonstrated at similar, but larger, control equipment at this facility. OAC rule 3745-17-03(B)(10), if requested.

   d. Emission Limitation
   0.005 grain PE/dscf and 0.0025 grain PM-10/dscf from baghouse exhaust

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10), if requested.

F. Miscellaneous Requirements

1. This permit to install (PTI 02-20473) is designed to contain all woodworking emissions units, excluding the coating application processes, roadways and parking areas, which are

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required to obtain a permit to install and a list of all insignificant emissions units at this facility. This permit will typically be modified whenever KraftMaid Cabinetry Plant 2 applies for a permit to either modify existing emissions units or to install new emissions units at this facility.

2. The permittee shall submit updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated Tables shall include an updated demonstration of loading to each baghouse. The updated tables shall include a complete list of emissions units for each table (including an identification of all emissions unit(s) that is/are permanently shut down and dismantled and new or replacement emissions units) as of the end of the calendar year and shall highlight or otherwise flag the changes from the previous year. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   After this report is submitted, the Director (the Ohio EPA, Northeast District Office) may consider the changes to determine if a modification to the issued permits is necessary. In general, a few changes which are not significant and which do not affect the operation of the control equipment will not trigger a request for an application to modify the issued permit be submitted.

   The updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 will be included in the next modification to PTI 02-20473. If none of the Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 requires an update, the permittee shall submit a report by February 28 of each year that states no revisions are required.

3. The permittee shall submit an updated Emissions Unit Table P2-A (PTI exempt Emissions Units) to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated table shall include the complete list of emissions units including any PTI exempt emissions unit(s) installed during the last calendar year and an identification of all emissions unit(s) that is/are permanently shut down and dismantled. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   The updated Emissions Unit Table P2-A will be included in the next modification to PTI 02-20473. If Emissions Unit Table P2-A does not require an update, the permittee shall submit a report by February 28 of each year that states no revision is required.

4. This permit replaces any previous permit issued for any equipment included in this permit-to-install.

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5. The following terms and conditions specified above are federally enforceable: A.1, A.2, B.1, B.2, C.1, C.2, C.3, D.1, D.2, E.1, F.1, F.2, F.3, and F.4.

TABLE P2-P16 for emissions unit P016 at Plant 2

EPA Label = P2-635
EPA Label = P2-10920
Date 6/2005

EQUIPMENT	**SIZE OF DUCT IN INCHES**
DISCONNECTED	

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P017 consists of woodworking equipment vented to a 12,500 cfm Baghouse P2-10921 (former facility ID P2-767). See attached Table P2-P17 (P2 is Plant 2.)	OAC rule 3745-31-05 (A)(3)	0.005 grain particulate emissions (PE) per dscf and 0.0025 grain particulate matter less than 10 microns (PM-10) per dscf from the baghouse stack 0.54 lb PE/hour and 2.35 tons per year from the baghouse stack 0.27 lb PM-10 per hour and 1.17 ton per year from the baghouse stack 0% visible emissions from the baghouse stack, as a six-minute average 0.05 ton fugitive PE per year and 0.05 ton fugitive PM-10 per year 10% visible fugitive emissions, as a three-minute average
	OAC rule 3745-17-11 (B) OAC rule 3745-17-07 (A)(1) OAC rule 3745-17- 08 (B) OAC rule 3745-17-07 (B)	The requirements established pursuant to OAC rules 3745-17-11 (B), 3745-17-07 (A), 3745-17- 08 (B) and 3745-17-07 (B) are less restrictive than the requirements established pursuant to OAC rule 3745-31-05 (A)(3).

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2. Additional Terms and Conditions

2.a The following is a list of the tables of emissions units which is attached to this permit to install (PTI 02-20473):

Table P2-P6	P006 - Emission Units which are vented to Baghouse P2-10916
Table P2-P7	P007 - Emission Units which are vented to Baghouse P2-10911
Table P2-P8	P008 - Emission Units which are vented to Baghouse P2-21588
Table P2-P9	P009 - Emission Units which are vented to Baghouse P2-10906
Table P2-P10	P010 - Emission Units which are vented to Baghouse P2-10904
Table P2-P11	P011 - Emission Units which are vented to Baghouse P2-10909
Table P2-P12	P012 - Emission Units which are vented to Baghouse P2-10903
Table P2-P13	P013 - Emission Units which are vented to Baghouse P2-10914
Table P2-P14	P014 - Emission Units which are vented to Baghouse P2-10905
Table P2-P15	P015 - Emission Units which are vented to Baghouse P2-10912
Table P2-P16	P016 - Emission Units which are vented to Baghouse P2-10920
Table P2-P17	P017 - Emission Units which are vented to Baghouse P2-10921
Table P2-P18	P018 - Emission Units which are vented to Baghouse P2-10907
Table P2-P19	P019 - Emission Units which are vented to Baghouse P2-10918
Table P2-P20	P020 - Emission Units which are vented to Baghouse P2-10915
Table P2-P21	P021 - Emission Units which are vented to Baghouse P2-10917
Table P2-A	All PTI exempt woodworking Emissions Units at Plant 2

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation. The listed pressure drop range applies at all times except following rebagging until sufficient filter cake is developed on the bags.

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2. The facility shall retain the option to install a bag leak detector. Should this option be chosen, the bag leak detector shall be properly installed and calibrated, operated and maintained. An audible alarm shall be installed to sound should emissions above the percent saturation, determined during the calibration testing, be exceeded. The requirement to operate this emissions unit within the pressure drop range of 1 to 5 inches of water shall be vacated under this option.

C. Monitoring and/or Record keeping Requirements

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

2. 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. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

3. The permittee shall perform daily checks, when the emissions unit is in operation, for any visible emissions of fugitive dust from the area around the dumpster 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. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

4. Notwithstanding the frequency of reporting requirements specified in C.2 and C.3, the permittee may reduce the frequency of visual observations from daily to weekly for this emissions unit if the following conditions are met:

   a. for 1 full quarter the facility's visual observations indicate no visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified above.

   The permittee shall revert to daily readings if any visible emissions are observed.

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5. Should a bag leak detector be installed and operated as specified in B.2 the facility shall maintain records of the details of each event where the audible alarm sounds. These records shall including the date, time, duration, cause, and the facility's response to the alarm. These records will normally record instances where an emissions violation was avoided. Should a bag leak detector be installed and operated as specified in B.2 the facility shall not be required to maintain records specified in C.1 and C.2 above.

D. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

2. 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 actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions of fugitive dust were observed from the area around the dumpster serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible emissions. These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

E. Testing Requirements

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

   a. <u>Emission Limitation</u>
   0% visible emissions from the baghouse stack, as a six-minute average and 10%visible fugitive emissions, as a three-minute average

   <u>Applicable Compliance Method</u>
   Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if requested**.**

   b. <u>Emission Limitation</u>
   0.54 lb PE/hour and 2.35 tons per year from the baghouse stack

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Applicable Compliance Method
This limitation is based upon the design of the baghouse and compliance with the grain loading limitation. Compliance with the grain loading limitation has been demonstrated at similar, but larger, control equipment at this facility. OAC rule 3745-17-03(B)(10), if requested.

c. Emission Limitation
0.27 lb PM-10 per hour and 1.17 ton per year from the baghouse stack

Applicable Compliance Method
This limitation is based upon the design of the baghouse and compliance with the grain loading limitation. Compliance with the grain loading limitation has been demonstrated at similar, but larger, control equipment at this facility. OAC rule 3745-17-03(B)(10), if requested.

d. Emission Limitation
0.005 grain PE/dscf and 0.0025 grain PM-10/dscf from baghouse exhaust

Applicable Compliance Method
OAC rule 3745-17-03(B)(10), if requested.

e. Emission Limitation
0.05 ton fugitive PE per year and 0.05 ton fugitive PM-10 per year from the dumpster

Applicable Compliance Method
Compliance was demonstrated one time based upon the maximum dust loading as follows:

E = 52 tons dust/year x 2 lbs/ton* x 1 ton/2000 lbs = 0.05 ton/year

Where:

E = tons dust emitted per year
*2 lbs/ton is an emission factor taken from RACM, Table 2.17-1, Fugitive Dust Emission Factors for Woodworking Operations

F. Miscellaneous Requirements

1. This permit to install (PTI 02-20473) is designed to contain all woodworking emissions units, excluding the coating application processes, roadways and parking areas, which are required to obtain a permit to install and a list of all insignificant emissions units at this facility. This permit will typically be modified whenever KraftMaid Cabinetry Plant 2 applies for a permit to either modify existing emissions units or to install new emissions units at this facility.

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2. The permittee shall submit updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated Tables shall include an updated demonstration of loading to each baghouse. The updated tables shall include a complete list of emissions units for each table (including an identification of all emissions unit(s) that is/are permanently shut down and dismantled and new or replacement emissions units) as of the end of the calendar year and shall highlight or otherwise flag the changes from the previous year. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   After this report is submitted, the Director (the Ohio EPA, Northeast District Office) may consider the changes to determine if a modification to the issued permits is necessary. In general, a few changes which are not significant and which do not affect the operation of the control equipment will not trigger a request for an application to modify the issued permit be submitted.

   The updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 will be included in the next modification to PTI 02-20473. If none of the Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 requires an update, the permittee shall submit a report by February 28 of each year that states no revisions are required.

3. The permittee shall submit an updated Emissions Unit Table P2-A (PTI exempt Emissions Units) to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated table shall include the complete list of emissions units including any PTI exempt emissions unit(s) installed during the last calendar year and an identification of all emissions unit(s) that is/are permanently shut down and dismantled. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   The updated Emissions Unit Table P2-A will be included in the next modification to PTI 02-20473. If Emissions Unit Table P2-A does not require an update, the permittee shall submit a report by February 28 of each year that states no revision is required.

4. This permit replaces any previous permit issued for any equipment included in this permit-to-install.

5. The following terms and conditions specified above are federally enforceable: A.1, A.2, B.1, B.2, C.1, C.2, C.3, C.4, C.5, D.1, D.2, D.3, E.1, F.1, F.2, F.3, and F.4.

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TABLE P2-P17 for emissions unit P017 at Plant 2

EPA Label = P2-767
EPA Label = P2-10921
Date 6/2005

EQUIPMENT	SIZE OF DUCT IN INCHES	
MOLDING LINE STA #1, 2, 3		4
MOLDING LINE STA #1, 2, 3		4
MOLDING LINE STA #1, 2, 3		4
MOLDING LINE STA #1, 2, 3		4
MOLDING LINE STA #1, 2, 3		4
MOLDING LINE STA #1, 2, 3		4
MOLDING LINE STA #1, 2, 3		4
MOLDING LINE STA #1, 2, 3		4
MOLDING LINE STA #1, 2, 3		6
MOLDING LINE STA #4 TONER BOOTH		10
MOLDING LINE STA #4 TONER BOOTH		10
MOLDING LINE STA #5 OVEN		10
MOLDING LINE STA #6 STAIN BOOTH	10	
MOLDING LINE STA #6 STAIN BOOTH	10	
MOLDING LINE STA #7		5
MOLDING LINE STA #7		5
MOLDING LINE STA #7		5
MOLDING LINE SAT #7		5
MOLDING LINE TOPCOAT BOOTH		10
MOLDING LINE STA #9, 10, 11		4
MOLDING LINE STA #9, 10, 11		4
MOLDING LINE STA #9, 10, 11		4
MOLDING LINE STA #9, 10, 11		4
MOLDING LINE STA #9, 10, 11		4
MOLDING LINE STA 12 SEALER BOOTH		10
MOLDING LINE STA #13 UV		10
MOLDING LINE STA #14, 15, 16	4	
MOLDING LINE STA #14, 15, 16	4	
MOLDING LINE STA #14, 15, 16	4	
MOLDING LINE STA #14, 15, 16	4	
MOLDING LINE STA #14, 15, 16	4	
MOLDING LINE STA #14, 15, 16	4	
MOLDING LINE STA #14, 15, 16	4	
MOLDING LINE STA #14, 15, 16	6	
MOLDING LINE STA #17		5
MOLDING LINE STA #17		10
MOLDING LINE STA #20-21		10

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P018 consists of woodworking equipment vented to a 8,500 cfm baghouse, P2-10907 (former facility ID P2-899). See attached Table P2-P18 (P2 is Plant 2.)	OAC rule 3745-31-05 (A)(3)	0.005 grain particulate emissions (PE) per dscf and 0.0025 grain particulate matter less than 10 microns (PM-10) per dscf from the baghouse stack 0.36 lb PE/hour and 1.60 tons per year from the baghouse stack 0.18 lb PM-10 per hour and 0.80 ton per year from the baghouse stack 0% visible emissions from the baghouse stack, as a six-minute average 0.05 ton fugitive PE per year and 0.05 ton fugitive PM-10 per year 10% visible fugitive emissions, as a three-minute average
	OAC rule 3745-17-11 (B) OAC rule 3745-17-07 (A)(1) OAC rule 3745-17- 08 (B) OAC rule 3745-17-07 (B)	The requirements established pursuant to OAC rules 3745-17-11 (B), 3745-17-07 (A), 3745-17- 08 (B) and 3745-17-07 (B) are less restrictive than the requirements established pursuant to OAC rule 3745-31-05 (A)(3).

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2. Additional Terms and Conditions

2.a The following is a list of the tables of emissions units which is attached to this permit to install (PTI 02-20473):

Table P2-P6	P006 - Emission Units which are vented to Baghouse P2-10916
Table P2-P7	P007 - Emission Units which are vented to Baghouse P2-10911
Table P2-P8	P008 - Emission Units which are vented to Baghouse P2-21588
Table P2-P9	P009 - Emission Units which are vented to Baghouse P2-10906
Table P2-P10	P010 - Emission Units which are vented to Baghouse P2-10904
Table P2-P11	P011 - Emission Units which are vented to Baghouse P2-10909
Table P2-P12	P012 - Emission Units which are vented to Baghouse P2-10903
Table P2-P13	P013 - Emission Units which are vented to Baghouse P2-10914
Table P2-P14	P014 - Emission Units which are vented to Baghouse P2-10905
Table P2-P15	P015 - Emission Units which are vented to Baghouse P2-10912
Table P2-P16	P016 - Emission Units which are vented to Baghouse P2-10920
Table P2-P17	P017 - Emission Units which are vented to Baghouse P2-10921
Table P2-P18	P018 - Emission Units which are vented to Baghouse P2-10907
Table P2-P19	P019 - Emission Units which are vented to Baghouse P2-10918
Table P2-P20	P020 - Emission Units which are vented to Baghouse P2-10915
Table P2-P21	P021 - Emission Units which are vented to Baghouse P2-10917
Table P2-A	All PTI exempt woodworking Emissions Units at Plant 2

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation. The listed pressure drop range applies at all times except following rebagging until sufficient filter cake is developed on the bags.

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2. The facility shall retain the option to install a bag leak detector. Should this option be chosen, the bag leak detector shall be properly installed and calibrated, operated and maintained. An audible alarm shall be installed to sound should emissions above the percent saturation, determined during the calibration testing, be exceeded. The requirement to operate this emissions unit within the pressure drop range of 1 to 5 inches of water shall be vacated under this option.

C. Monitoring and/or Record keeping Requirements

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

2. 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. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

3. The permittee shall perform daily checks, when the emissions unit is in operation, for any visible emissions of fugitive dust from the area around the dumpster 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. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

4. Notwithstanding the frequency of reporting requirements specified above, the permittee may reduce the frequency of visual observations from daily to weekly for this emissions unit if the following conditions are met:

   a. for 1 full quarter the facility's visual observations indicate no visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified above.

   The permittee shall revert to daily readings if any visible emissions are observed.

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5. Should a bag leak detector be installed and operated as specified in B.2 the facility shall maintain records of the details of each event where the audible alarm sounds. These records shall including the date, time, duration, cause, and the facility's response to the alarm. These records will normally record instances where an emissions violation was avoided. Should a bag leak detector be installed and operated as specified in B.2 the facility shall not be required to maintain records specified in C.1 and C.2 above.

D. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

2. 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 actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions of fugitive dust were observed from the area around the dumpster serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible emissions. These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

E. Testing Requirements

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

   a. <u>Emission Limitation</u>
   0% visible emissions from the baghouse stack, as a six-minute average, and 10%visible fugitive emissions, as a three-minute average

   <u>Applicable Compliance Method</u>
   Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if requested**.**

   b. <u>Emission Limitation</u>
   0.36 lb PE/hour and 1.60 tons per year from the baghouse stack

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Applicable Compliance Method
This limitation is based upon the design of the baghouse and compliance with the grain loading limitation. Compliance with the grain loading limitation has been demonstrated at similar, but larger, control equipment at this facility. OAC rule 3745-17-03(B)(10), if requested.

c. Emission Limitation
0.18 lb PM-10 per hour and 0.80 ton per year from the baghouse stack

Applicable Compliance Method
This limitation is based upon the design of the baghouse and compliance with the grain loading limitation. Compliance with the grain loading limitation has been demonstrated at similar, but larger, control equipment at this facility. OAC rule 3745-17-03(B)(10), if requested.

d. Emission Limitation
0.005 grain PE/dscf and 0.0025 grain PM-10/dscf from baghouse exhaust

Applicable Compliance Method
OAC rule 3745-17-03(B)(10), if requested.

e. Emission Limitation
0.05 ton fugitive PE per year and 0.05 ton fugitive PM-10 per year from the dumpster

Applicable Compliance Method
Compliance was demonstrated one time based upon the maximum dust loading as follows:

E = 52 tons dust/year x 2 lbs/ton x 1 ton/2000 lbs = 0.05 ton/year

Where:

E = tons dust emitted per year
2 lbs/ton is an emission factor taken from RACM, Table 2.17-1, Fugitive Dust Emission Factors for Woodworking Operations

F. Miscellaneous Requirements

1. This permit to install (PTI 02-20473) is designed to contain all woodworking emissions units, excluding the coating application processes, roadways and parking areas, which are required to obtain a permit to install and a list of all insignificant emissions units at this facility. This permit will typically be modified whenever KraftMaid Cabinetry Plant 2 applies for a permit to either modify existing emissions units or to install new emissions units at this facility.

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2. The permittee shall submit updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated Tables shall include an updated demonstration of loading to each baghouse. The updated tables shall include a complete list of emissions units for each table (including an identification of all emissions unit(s) that is/are permanently shut down and dismantled and new or replacement emissions units) as of the end of the calendar year and shall highlight or otherwise flag the changes from the previous year. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   After this report is submitted, the Director (the Ohio EPA, Northeast District Office) may consider the changes to determine if a modification to the issued permits is necessary. In general, a few changes which are not significant and which do not affect the operation of the control equipment will not trigger a request for an application to modify the issued permit be submitted.

   The updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 will be included in the next modification to PTI 02-20473. If none of the Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 requires an update, the permittee shall submit a report by February 28 of each year that states no revisions are required.

3. The permittee shall submit an updated Emissions Unit Table P2-A (PTI exempt Emissions Units) to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated table shall include the complete list of emissions units including any PTI exempt emissions unit(s) installed during the last calendar year and an identification of all emissions unit(s) that is/are permanently shut down and dismantled. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   The updated Emissions Unit Table P2-A will be included in the next modification to PTI 02-20473. If Emissions Unit Table P2-A does not require an update, the permittee shall submit a report by February 28 of each year that states no revision is required.

4. This permit replaces any previous permit issued for any equipment included in this permit-to-install.

5. The following terms and conditions specified above are federally enforceable: A.1, A.2, B.1, B.2, C.1, C.2, C.3, C.4, C.5, D.1, D.2, D.3, E.1, F.1, F.2, F.3, and F.4.

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TABLE P2-P18 for emissions unit P018 at Plant 2

EPA Label = P2-899
EPA Label = P2-10907
Date 6/2005

EQUIPMENT	**SIZE OF DUCT IN INCHES**
PROTOTYPE SHOP	
BP MACHINE	8
BELT SANDER	4
BAND SAW	4
SPINDLE SANDER	4
10' DELTA TABLE SAW	4
WHIRLWIND SANDER	5
5-SPEED SHAPER	6
TABLE SAW/F-45	6
TIME SAVER	8
TIME SAVER	10
TOP SHOP	
HITACHI CUT-OFF SAW	4
DEWALT CUT-OFF SAW	4
TABLE SAW/F-45	6

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P019 consists of the woodworking equipment vented to 39,400 cfm baghouse P2-10918 (former facility ID P2-949)	OAC rule 3745-31-05 (A)(3)	0.005 grain particulate emissions (PE) per dscf and 0.0025 grain particulate matter less than 10 microns (PM-10) per dscf from the baghouse stack
See attached Table P2-P20 (P2 is Plant 2.)		1.69 lbs PE/hour and 7.40 tons per year from the baghouse stack
Modification		0.84 lb PM-10 per hour and 3.70 tons per year from the baghouse stack
		0% visible emissions from the baghouse stack, as a six-minute average
	OAC rule 3745-17-11 (B) OAC rule 3745-17-07 (A)(1)	The requirements established pursuant to OAC rules 3745-17-11 (B) and 3745-17-07 (A) are less restrictive than the requirements established pursuant to OAC rule 3745-31-05 (A)(3).

2. Additional Terms and Conditions

2.a The following is a list of the tables of emissions units which is attached to this permit to install (PTI 02-20473):

Table P2-P6 P006 - Emission Units which are vented to Baghouse P2-10916

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Table P2-P7	P007 - Emission Units which are vented to Baghouse P2-10911
Table P2-P8	P008 - Emission Units which are vented to Baghouse P2-21588
Table P2-P9	P009 - Emission Units which are vented to Baghouse P2-10906
Table P2-P10	P010 - Emission Units which are vented to Baghouse P2-10904
Table P2-P11	P011 - Emission Units which are vented to Baghouse P2-10909
Table P2-P12	P012 - Emission Units which are vented to Baghouse P2-10903
Table P2-P13	P013 - Emission Units which are vented to Baghouse P2-10914
Table P2-P14	P014 - Emission Units which are vented to Baghouse P2-10905
Table P2-P15	P015 - Emission Units which are vented to Baghouse P2-10912
Table P2-P16	P016 - Emission Units which are vented to Baghouse P2-10920
Table P2-P17	P017 - Emission Units which are vented to Baghouse P2-10921
Table P2-P18	P018 - Emission Units which are vented to Baghouse P2-10907
Table P2-P19	P019 - Emission Units which are vented to Baghouse P2-10918
Table P2-P20	P020 - Emission Units which are vented to Baghouse P2-10915
Table P2-P21	P021 - Emission Units which are vented to Baghouse P2-10917
Table P2-A	All PTI exempt woodworking Emissions Units at Plant 2

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation. The listed pressure drop range applies at all times except following rebagging until sufficient filter cake is developed on the bags.

2. The facility shall retain the option to install a bag leak detector. Should this option be chosen, the bag leak detector shall be properly installed and calibrated, operated and maintained. An audible alarm shall be installed to sound should emissions above the percent saturation, determined during the calibration testing, be exceeded. The requirement to operate this emissions unit within the pressure drop range of 1 to 5 inches of water shall be vacated under this option.

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C. Monitoring and/or Record keeping Requirements

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

2. 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. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

   Notwithstanding the frequency of reporting requirements specified above, the permittee may reduce the frequency of visual observations from daily to weekly for this emissions unit if the following conditions are met:

   a. for 1 full quarter the facility's visual observations indicate no visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified above.

   The permittee shall revert to daily readings if any visible emissions are observed.

3. Should a bag leak detector be installed and operated as specified in B.2 the facility shall maintain records of the details of each event where the audible alarm sounds. These records shall including the date, time, duration, cause, and the facility's response to the alarm. These records will normally record instances where an emissions violation was avoided. Should a bag leak detector be installed and operated as specified in B.2 the facility shall not be required to maintain records specified in C.1 and C.2 above.

D. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

2. 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

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emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

E. Testing Requirements

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

   a. Emission Limitation
   0% visible emissions from the baghouse stack, as a six-minute average

   Applicable Compliance Method
   Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if requested**.**

   b. Emission Limitation
   1.69 lbs PE/hour and 7.40 tons per year from the baghouse stack

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

   c. Emission Limitation
   0.84 lb PM-10 per hour and 3.70 tons per year from the baghouse stack

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

   d. Emission Limitation
   0.005 grain PE/dscf and 0.0025 grain PM-10/dscf from baghouse exhaust

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See E.2.

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

   a. Emissions testing was conducted on P010 (P1-13326) on July 8, 2005, at Plant 1. Emissions testing was conducted on P021 (P2-10915) on July 6, 2005, and on P020 (P2-10918) on July 7, 2005, at Plant 2. Emissions testing was conducted on P006 (P3-12741) on July 19, 2005, at Plant 3. The results of this testing indicated the tested emissions units are operating in compliance with the emissions limitations specified in this permit. Emissions testing shall be

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completed on 2 - 6 of the following emissions units each year, such that all the listed emissions units have been tested within 5 years of issuance of this permit.

P1-P008 (P1-13325)	P1-P009 (P1-13327)
P1-P013 (P1-13323)	P2-P014 (P2-10905)
P2-P012 (P2-10903)	P2-P006 (P2-10916)
P2-P010 (P2-10904)	P2-P013 (P2-10914)
P2-P007 (P2-10911)	P2-P011 (P2-10909)
P2-P021 (P2-10917)	P3-P007 (P3-20879)
P3-P005 (P3-12740)	

The following emissions units exhaust inside the plant. The configuration of the baghouse stack and the air conditioning unit does not allow for emissions testing, as Reference Method 1 cannot be met. Should any of these units be modified to allow for emissions testing, the modified unit must be tested within 90 days following the modification.

P1-P012 (P1-13322)	P3-P001 (P3-20865)
P3-P002 (P3-20866)	P3-P003 (P3-12742)

b. The emission testing shall be conducted to demonstrate compliance with 0.005 grain PE per dscf and 0.0025 grain PM-10 per dscf and with the hourly mass emission limitations specified in A.1.

c. The following test methods shall be employed to demonstrate compliance with the allowable emission rates:

Methods 1 - 5 and 201.

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) 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.

e. 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).

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f. Personnel from the 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.

g. 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 Ohio EPA, Northeast District Office.

F. Miscellaneous Requirements

1. This permit to install (PTI 02-20473) is designed to contain all woodworking emissions units, excluding the coating application processes, roadways and parking areas, which are required to obtain a permit to install and a list of all insignificant emissions units at this facility. This permit will typically be modified whenever KraftMaid Cabinetry Plant 2 applies for a permit to either modify existing emissions units or to install new emissions units at this facility.

2. The permittee shall submit updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated Tables shall include an updated demonstration of loading to each baghouse. The updated tables shall include a complete list of emissions units for each table (including an identification of all emissions unit(s) that is/are permanently shut down and dismantled and new or replacement emissions units) as of the end of the calendar year and shall highlight or otherwise flag the changes from the previous year. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   After this report is submitted, the Director (the Ohio EPA, Northeast District Office) may consider the changes to determine if a modification to the issued permits is necessary. In general, a few changes which are not significant and which do not affect the operation of the control equipment will not trigger a request for an application to modify the issued permit be submitted.

   The updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 will be included in the next modification to PTI 02-20473. If none of the Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 requires an update, the permittee shall submit a report by February 28 of each year that states no revisions are required.

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3. The permittee shall submit an updated Emissions Unit Table P2-A (PTI exempt Emissions Units) to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated table shall include the complete list of emissions units including any PTI exempt emissions unit(s) installed during the last calendar year and an identification of all emissions unit(s) that is/are permanently shut down and dismantled. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   The updated Emissions Unit Table P2-A will be included in the next modification to PTI 02-20473. If Emissions Unit Table P2-A does not require an update, the permittee shall submit a report by February 28 of each year that states no revision is required.

4. This permit replaces any previous permit issued for any equipment included in this permit-to-install.

5. The following terms and conditions specified above are federally enforceable: A.1, A.2, B.1, B.2, C.1, C.2, C.3, D.1, D.2, E.1, E.2, F.1, F.2, F.3, and F.4.

TABLE P2-P19 for emissions unit P019 at Plant 2

EPA Label = P2-949
EPA Label = P2-10918
Date 6/2005

EQUIPMENT	**SIZE OF DUCT IN INCHES**
EURO PRIMER 2	
HOLZMA #53	6
HOLZMA #53	8
HOLZMA #54	6
HOLZMA #54	8
OPTIMAT KFL 526	5
OPTIMAT KFL 526	5
OPTIMAT KFL 526	5
OPTIMAT KFL 526	5
OPTIMAT KFL 526	5
OPTIMAT KFL 526	5
OPTIMAT KFL 526	5
OPTIMAT KFL 526	5
OPTIMAT KFL 526	5
OPTIMAT KFL 526	5
OPTIMAT KFL 526	5
OPTIMAT KFL 526	5
OPTIMAT KFL 526	5
OPTIMAT KFL 526	5
BHC 350	6

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BHC 350	8
BHC 350	6
BHC 350	8
BHC 350	6
BHC 350	6
TOE KICK	4
TOE KICK	4
HOLZMA HPP 22	6
HOLZMA HPP 22	8
HOLZMA HPP 22	8
WEIMA GRINDER	8
HEIAN 4	6
HEIAN 4	6
HEIAN 5	6
HEIAN 5	6
WHITE DOOR CELL TABLE SAW	7
WHITE DOOR CELL TABLE SAW	7
MINI DRILL PRESS	4

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P020 consists of woodworking equipment vented to a 39,400 cfm baghouse, P2-10915 (former facility ID P2-950). See attached Table P2-P20 (P2 is Plant 2.) Modification	OAC rule 3745-31-05 (A)(3)	0.005 grain particulate emissions (PE) per dscf and 0.0025 grain particulate matter less than 10 microns (PM-10) per dscf from the baghouse stack 1.69 lbs PE/hour and 7.40 tons per year from the baghouse stack 0.84 lb PM-10 per hour and 3.70 tons per year from the baghouse stack 0% visible emissions from the baghouse stack, as a six-minute average
	OAC rule 3745-17-11 (B) OAC rule 3745-17-07 (A)(1)	The requirements established pursuant to OAC rules 3745-17-11 (B) and 3745-17-07 (A) are less restrictive than the requirements established pursuant to OAC rule 3745-31-05 (A)(3).

2. Additional Terms and Conditions

2.a The following is a list of the tables of emissions units which is attached to this permit to install (PTI 02-20473):

Table P2-P6 P006 - Emission Units which are vented to Baghouse P2-10916

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Table P2-P7	P007 - Emission Units which are vented to Baghouse P2-10911
Table P2-P8	P008 - Emission Units which are vented to Baghouse P2-21588
Table P2-P9	P009 - Emission Units which are vented to Baghouse P2-10906
Table P2-P10	P010 - Emission Units which are vented to Baghouse P2-10904
Table P2-P11	P011 - Emission Units which are vented to Baghouse P2-10909
Table P2-P12	P012 - Emission Units which are vented to Baghouse P2-10903
Table P2-P13	P013 - Emission Units which are vented to Baghouse P2-10914
Table P2-P14	P014 - Emission Units which are vented to Baghouse P2-10905
Table P2-P15	P015 - Emission Units which are vented to Baghouse P2-10912
Table P2-P16	P016 - Emission Units which are vented to Baghouse P2-10920
Table P2-P17	P017 - Emission Units which are vented to Baghouse P2-10921
Table P2-P18	P018 - Emission Units which are vented to Baghouse P2-10907
Table P2-P19	P019 - Emission Units which are vented to Baghouse P2-10918
Table P2-P20	P020 - Emission Units which are vented to Baghouse P2-10915
Table P2-P21	P021 - Emission Units which are vented to Baghouse P2-10917
Table P2-A	All PTI exempt woodworking Emissions Units at Plant 2

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation. The listed pressure drop range applies at all times except following rebagging until sufficient filter cake is developed on the bags.

2. The facility shall retain the option to install a bag leak detector. Should this option be chosen, the bag leak detector shall be properly installed and calibrated, operated and maintained. An audible alarm shall be installed to sound should emissions above the percent saturation, determined during the calibration testing, be exceeded. The requirement to operate this emissions unit within the pressure drop range of 1 to 5 inches of water shall be vacated under this option.

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C. Monitoring and/or Record keeping Requirements

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

2. 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. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

   Notwithstanding the frequency of reporting requirements specified above, the permittee may reduce the frequency of visual observations from daily to weekly for this emissions unit if the following conditions are met:

   a. for 1 full quarter the facility's visual observations indicate no visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified above.

   The permittee shall revert to daily readings if any visible emissions are observed.

3. Should a bag leak detector be installed and operated as specified in B.2 the facility shall maintain records of the details of each event where the audible alarm sounds. These records shall including the date, time, duration, cause, and the facility's response to the alarm. These records will normally record instances where an emissions violation was avoided. Should a bag leak detector be installed and operated as specified in B.2 the facility shall not be required to maintain records specified in C.1 and C.2 above.

D. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

2. 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

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emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

E. Testing Requirements

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

   a. Emission Limitation
   0% visible emissions from the baghouse stack, as a six-minute average

   Applicable Compliance Method
   Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if requested**.**

   b. Emission Limitation
   1.69 lbs PE/hour and 7.40 tons per year from the baghouse stack

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

   c. Emission Limitation
   0.84 lb PM-10 per hour and 3.70 tons per year from the baghouse stack

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

   d. Emission Limitation
   0.005 grain PE/dscf and 0.0025 grain PM-10/dscf from baghouse exhaust

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

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

   a. Emissions testing was conducted on P010 (P1-13326) on July 8, 2005, at Plant 1. Emissions testing was conducted on P021 (P2-10915) on July 6, 2005, and on P020 (P2-10918) on July 7, 2005, at Plant 2. Emissions testing was conducted on P006 (P3-12741) on July 19, 2005, at Plant 3. The results of this testing indicated the tested emissions units are operating in compliance with the emissions limitations specified in this permit. Emissions testing shall be

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completed on 2 - 6 of the following emissions units each year, such that all the listed emissions units have been tested within 5 years of issuance of this permit.

P1-P008 (P1-13325)	P1-P009 (P1-13327)
P1-P013 (P1-13323)	P2-P014 (P2-10905)
P2-P012 (P2-10903)	P2-P006 (P2-10916)
P2-P010 (P2-10904)	P2-P013 (P2-10914)
P2-P007 (P2-10911)	P2-P011 (P2-10909)
P2-P021 (P2-10917)	P3-P007 (P3-20879)
P3-P005 (P3-12740)	

The following emissions units exhaust inside the plant. The configuration of the baghouse stack and the air conditioning unit does not allow for emissions testing, as Reference Method 1 cannot be met. Should any of these units be modified to allow for emissions testing, the modified unit must be tested within 90 days following the modification.

P1-P012 (P1-13322)	P3-P001 (P3-20865)
P3-P002 (P3-20866)	P3-P003 (P3-12742)

b. The emission testing shall be conducted to demonstrate compliance with 0.005 grain PE per dscf and 0.0025 grain PM-10 per dscf and with the hourly mass emission limitations specified in A.1.

c. The following test methods shall be employed to demonstrate compliance with the allowable emission rates:

Methods 1 - 5 and 201.

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) 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.

e. 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).

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f. Personnel from the 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.

g. 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 Ohio EPA, Northeast District Office.

F. Miscellaneous Requirements

1. This permit to install (PTI 02-20473) is designed to contain all woodworking emissions units, excluding the coating application processes, roadways and parking areas, which are required to obtain a permit to install and a list of all insignificant emissions units at this facility. This permit will typically be modified whenever KraftMaid Cabinetry Plant 2 applies for a permit to either modify existing emissions units or to install new emissions units at this facility.

2. The permittee shall submit updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated Tables shall include an updated demonstration of loading to each baghouse. The updated tables shall include a complete list of emissions units for each table (including an identification of all emissions unit(s) that is/are permanently shut down and dismantled and new or replacement emissions units) as of the end of the calendar year and shall highlight or otherwise flag the changes from the previous year. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   After this report is submitted, the Director (the Ohio EPA, Northeast District Office) may consider the changes to determine if a modification to the issued permits is necessary. In general, a few changes which are not significant and which do not affect the operation of the control equipment will not trigger a request for an application to modify the issued permit be submitted.

   The updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 will be included in the next modification to PTI 02-20473. If none of the Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 requires an update, the permittee shall submit a report by February 28 of each year that states no revisions are required.

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3. The permittee shall submit an updated Emissions Unit Table P2-A (PTI exempt Emissions Units) to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated table shall include the complete list of emissions units including any PTI exempt emissions unit(s) installed during the last calendar year and an identification of all emissions unit(s) that is/are permanently shut down and dismantled. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   The updated Emissions Unit Table P2-A will be included in the next modification to PTI 02-20473. If Emissions Unit Table P2-A does not require an update, the permittee shall submit a report by February 28 of each year that states no revision is required.

4. This permit replaces any previous permit issued for any equipment included in this permit-to-install.

5. The following terms and conditions specified above are federally enforceable: A.1, A.2, B.1, B.2, C.1, C.2, C.3, D.1, D.2, E.1, E.2, F.1, F.2, F.3, and F.4.

TABLE P2-P20 for emissions unit P020 at Plant 2

EPA Label = P2-950
EPA Label = P2-10915
Date 6/2005

EQUIPMENT	**SIZE OF DUCT IN INCHES**
BP MACHINES	
TOE KICK	5
TOE KICK	5
BP#1 BHC 555	6
BP#1 BHC 555	10
BP#2 BHC 555	6
BP#2 BHC 555	6
BP#2 BHC 555	10
TOE KICK BP-6	6
BP #3 BP-12W	8
BP #4 BP-12W	8
TOE KICK NOTCHER	6
BP #5 BP 120	8
BP #6 BP 120	8
TOE KICK NOTCHER	6
BP #7 BP 120	8
BP #8 BP 120	8
TOE KICK/ SAW/UNIT 175	6
BP #9 BP 120	8

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BP #10 BP-12W	8
ALTENDORF TABLE SAW	6
ALTENDORF TABLE SAW	6
ALTENDORF TABLE SAW	6

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P021 consists of woodworking equipment vented to a 39,400 cfm baghouse, P2-10917 (former facility ID P2-951)**.** See attached Table P2-P21 (P2 is Plant 2.) Modification	OAC rule 3745-31-05 (A)(3)	0.005 grain particulate emissions (PE) per dscf and 0.0025 grain particulate matter less than 10 microns (PM-10) per dscf from the baghouse stack 1.69 lbs PE/hour and 7.40 tons per year from the baghouse stack 0.84 lb PM-10 per hour and 3.70 tons per year from the baghouse stack 0% visible emissions from the baghouse stack, as a six-minute average
	OAC rule 3745-17-11 (B) OAC rule 3745-17-07 (A)(1)	The requirements established pursuant to OAC rules 3745-17-11 (B) and 3745-17-07 (A) are less restrictive than the requirements established pursuant to OAC rule 3745-31-05 (A)(3).

2. Additional Terms and Conditions

2.a The following is a list of the tables of emissions units which is attached to this permit to install (PTI 02-20473):

Table P2-P6 P006 - Emission Units which are vented to Baghouse P2-10916

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Table P2-P7	P007 - Emission Units which are vented to Baghouse P2-10911
Table P2-P8	P008 - Emission Units which are vented to Baghouse P2-21588
Table P2-P9	P009 - Emission Units which are vented to Baghouse P2-10906
Table P2-P10	P010 - Emission Units which are vented to Baghouse P2-10904
Table P2-P11	P011 - Emission Units which are vented to Baghouse P2-10909
Table P2-P12	P012 - Emission Units which are vented to Baghouse P2-10903
Table P2-P13	P013 - Emission Units which are vented to Baghouse P2-10914
Table P2-P14	P014 - Emission Units which are vented to Baghouse P2-10905
Table P2-P15	P015 - Emission Units which are vented to Baghouse P2-10912
Table P2-P16	P016 - Emission Units which are vented to Baghouse P2-10920
Table P2-P17	P017 - Emission Units which are vented to Baghouse P2-10921
Table P2-P18	P018 - Emission Units which are vented to Baghouse P2-10907
Table P2-P19	P019 - Emission Units which are vented to Baghouse P2-10918
Table P2-P20	P020 - Emission Units which are vented to Baghouse P2-10915
Table P2-P21	P021 - Emission Units which are vented to Baghouse P2-10917
Table P2-A	All PTI exempt woodworking Emissions Units at Plant 2

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation. The listed pressure drop range applies at all times except following rebagging until sufficient filter cake is developed on the bags.

2. The facility shall retain the option to install a bag leak detector. Should this option be chosen, the bag leak detector shall be properly installed and calibrated, operated and maintained. An audible alarm shall be installed to sound should emissions above the percent saturation, determined during the calibration testing, be exceeded. The requirement to operate this emissions unit within the pressure drop range of 1 to 5 inches of water shall be vacated under this option.

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C. Monitoring and/or Record keeping Requirements

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

2. 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. the total duration of any visible emission incident; and
   c. any corrective actions taken to eliminate the visible emissions.

   Notwithstanding the frequency of reporting requirements specified above, the permittee may reduce the frequency of visual observations from daily to weekly for this emissions unit if the following conditions are met:

   a. for 1 full quarter the facility's visual observations indicate no visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified above.

   The permittee shall revert to daily readings if any visible emissions are observed.

3. Should a bag leak detector be installed and operated as specified in B.2 the facility shall maintain records of the details of each event where the audible alarm sounds. These records shall including the date, time, duration, cause, and the facility's response to the alarm. These records will normally record instances where an emissions violation was avoided. Should a bag leak detector be installed and operated as specified in B.2 the facility shall not be required to maintain records specified in C.1 and C.2 above.

D. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

2. 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

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emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods. Should the facility opt to install a bag leak detector, this reporting requirement shall be vacated.

E. Testing Requirements

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

   a. Emission Limitation
   0% visible emissions from the baghouse stack, as a six-minute average

   Applicable Compliance Method
   Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if requested**.**

   b. Emission Limitation
   1.69 lbs PE/hour and 7.40 tons per year from the baghouse stack

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

   c. Emission Limitation
   0.84 lb PM-10 per hour and 3.70 tons per year from the baghouse stack

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

   d. Emission Limitation
   0.005 grain PE/dscf and 0.0025 grain PM-10/dscf from baghouse exhaust

   Applicable Compliance Method
   OAC rule 3745-17-03(B)(10). See section E.2.

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

   a. Emissions testing was conducted on P010 (P1-13326) on July 8, 2005, at Plant 1. Emissions testing was conducted on P021 (P2-10915) on July 6, 2005, and on P020 (P2-10918) on July 7, 2005, at Plant 2. Emissions testing was conducted on P006 (P3-12741) on July 19, 2005, at Plant 3. The results of this testing indicated the tested emissions units are operating in compliance with the emissions limitations specified in this permit. Emissions testing shall be

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completed on 2 - 6 of the following emissions units each year, such that all the listed emissions units have been tested within 5 years of issuance of this permit.

P1-P008 (P1-13325)	P1-P009 (P1-13327)
P1-P013 (P1-13323)	P2-P014 (P2-10905)
P2-P012 (P2-10903)	P2-P006 (P2-10916)
P2-P010 (P2-10904)	P2-P013 (P2-10914)
P2-P007 (P2-10911)	P2-P011 (P2-10909)
P2-P021 (P2-10917)	P3-P007 (P3-20879)
P3-P005 (P3-12740)	

The following emissions units exhaust inside the plant. The configuration of the baghouse stack and the air conditioning unit does not allow for emissions testing, as Reference Method 1 cannot be met. Should any of these units be modified to allow for emissions testing, the modified unit must be tested within 90 days following the modification.

P1-P012 (P1-13322)	P3-P001 (P3-20865)
P3-P002 (P3-20866)	P3-P003 (P3-12742)

b. The emission testing shall be conducted to demonstrate compliance with 0.005 grain PE per dscf and 0.0025 grain PM-10 per dscf and with the hourly mass emission limitations specified in A.1.

c. The following test methods shall be employed to demonstrate compliance with the allowable emission rates:

Methods 1 - 5 and 201.

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) 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.

e. 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).

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f. Personnel from the 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.

g. 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 Ohio EPA, Northeast District Office.

F. Miscellaneous Requirements

1. This permit to install (PTI 02-20473) is designed to contain all woodworking emissions units, excluding the coating application processes, roadways and parking areas, which are required to obtain a permit to install and a list of all insignificant emissions units at this facility. This permit will typically be modified whenever KraftMaid Cabinetry Plant 2 applies for a permit to either modify existing emissions units or to install new emissions units at this facility.

2. The permittee shall submit updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated Tables shall include an updated demonstration of loading to each baghouse. The updated tables shall include a complete list of emissions units for each table (including an identification of all emissions unit(s) that is/are permanently shut down and dismantled and new or replacement emissions units) as of the end of the calendar year and shall highlight or otherwise flag the changes from the previous year. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   After this report is submitted, the Director (the Ohio EPA, Northeast District Office) may consider the changes to determine if a modification to the issued permits is necessary. In general, a few changes which are not significant and which do not affect the operation of the control equipment will not trigger a request for an application to modify the issued permit be submitted.

   The updated Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 will be included in the next modification to PTI 02-20473. If none of the Emissions Unit Tables P2-P6, P2-P7, P2-P8, P2-P9, P2-P10, P2-P11, P2-P12, P2-P13, P2-P14, P2-P15, P2-P16, P2-P17, P2-P18, P2-P19, P2-P20 and P2-P21 requires an update, the permittee shall submit a report by February 28 of each year that states no revisions are required.

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3. The permittee shall submit an updated Emissions Unit Table P2-A (PTI exempt Emissions Units) to the Director (the Ohio EPA, Northeast District Office) on an annual basis. The updated table shall include the complete list of emissions units including any PTI exempt emissions unit(s) installed during the last calendar year and an identification of all emissions unit(s) that is/are permanently shut down and dismantled. This report shall be submitted to the Director (the Ohio EPA, Northeast District Office) by February 28 of each year.

   The updated Emissions Unit Table P2-A will be included in the next modification to PTI 02-20473. If Emissions Unit Table P2-A does not require an update, the permittee shall submit a report by February 28 of each year that states no revision is required.

4. This permit replaces any previous permit issued for any equipment included in this permit-to-install.

5. The following terms and conditions specified above are federally enforceable: A.1, A.2, B.1, B.2, C.1, C.2, C.3, D.1, D.2, E.1, E.2, F.1, F.2, F.3, and F.4.

TABLE P2-P21 for emissions unit P21 at Plant 2

EPA Label = P2-951
EPA Label = P2-10917
Date 6/2005

EQUIPMENT	SIZE OF DUCT IN INCHES
HOLZMA #51	6
HOLZMA #51	8
ALTENDORF TABLE SAW TKR-90	6
ALTENDORF TABLE SAW TKR-90	6
BHC 250	4
BHC 250	8
BRANDT F-13	5
TOE KICK NOTCHER P2-132	6
WEEKE BP12 P2-310 HEAVY MILLING MACHINE	8
OPTIMUM KAL 310	5
OPTIMUM KAL 310	5
HOLZMA HPP 380	6
HOLZMA HPP 380	8
BEK 100	4
BEK 100	4
BEK 100	4
BEK 100	4
BEK 100	4

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TABLE P2-A for all PTI exempt woodworking Emissions Units at Plant 2

In addition, this facility has hand sanders, routers, miter saws, table saws and other wood working equipment which are exempt from PTI requirements.

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