



Florida Department of Environmental Protection

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Sent by Electronic Mail – Received Receipt Requested

PERMITTEE

Busby Cabinets
13313 Southern Precast Drive
Alachua, Florida 32615

Air Permit No. 0010120-004-AF
Permit Expires: April 19, 2015

Authorized Representative:
Jenny Swallows, Executive Associate

Minor Source Air Operating Permit
Initial FESOP

This is the final federally enforceable state operating permit, which authorizes the operation of a cabinet manufacturing facility. Busby Cabinets is a Wood Kitchen Cabinet facility (Standard Industrial Classification No. 2434). The facility is located in Alachua County at 13313 Southern Precast Drive in Alachua, Florida. The UTM coordinates are Zone 17, 360.5km East, and 3294.8 km North.

This final permit is organized by the following sections.

- Section 1. General Information
- Section 2. Administrative Requirements
- Section 3. Emissions Unit Specific Conditions
- Section 4. Appendices

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

This air pollution operating permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.).

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

AIR OPERATING PERMIT (FINAL)

Executed in Jacksonville, Florida



4/19/2010

Christopher L. Kirts,
District Air Program Administrator

(Date)

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination and Final Permit) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on April 19, 2010 to the persons listed below.

Jenny Swallows, Busy Cabinets (JSwallows@BusbyCabinets.com)
William Zegel, P.E., Water & Air Research, Inc. (wzegel@waterandair.com)

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.



4/19/2010

(Clerk)

(Date)

SECTION 1. GENERAL INFORMATION (FINAL)

FACILITY AND PROJECT DESCRIPTION

Existing Facility

The facility is a cabinet manufacturing plant which makes cabinetry for residential use. The facility consists of woodworking and surface coating operation.

Facility ID No. 0010120	
ID No.	Emission Unit Description
001	Wood Working and Moulding Operation (Wood Working Baghouse Emissions Point 01 (Nordfab Systems NFK 2000 HJLR)) Moulder Machine Baghouse Emissions Point 02 (NBM dust collector)
002	Surface Coating Operation

Wood Working Operation. Various wood pieces are cut, sanded, routed and shaped as needed per order. The parts are then put together into cabinets with glues, nails, staples or screws. At each machine that generates sawdust, there are pickup hoods to vent the dust to the baghouse.

The baghouse is a Nordfab Systems unit model No. NFK-2000 HJLR. There are 4 modules with 50 bag filters/module and one downward exhaust duct per module. The filters are cleaned by reverse air mechanism or when the control unit is shutdown. The fan is powered by a 60 horse power motor.

Moulder. The facility also consist of a moulder machine that is equipped with a baghouse (NBM dust collector).

Surface Coating Operation. The facility consists of 3 spray booths in addition to various tables for painting and staining. The spray guns used are typically airless, however on occasion air spray guns are used. The numbers and types of spray guns are described as below.

<u>Equipment</u>	<u>Quantity</u>
Kremlin MVX 60 Airmix	4
Kremlin M21VLP	2
Astro Star Siphon Feed Cup Gun	10

The information for the paint booths is as below.

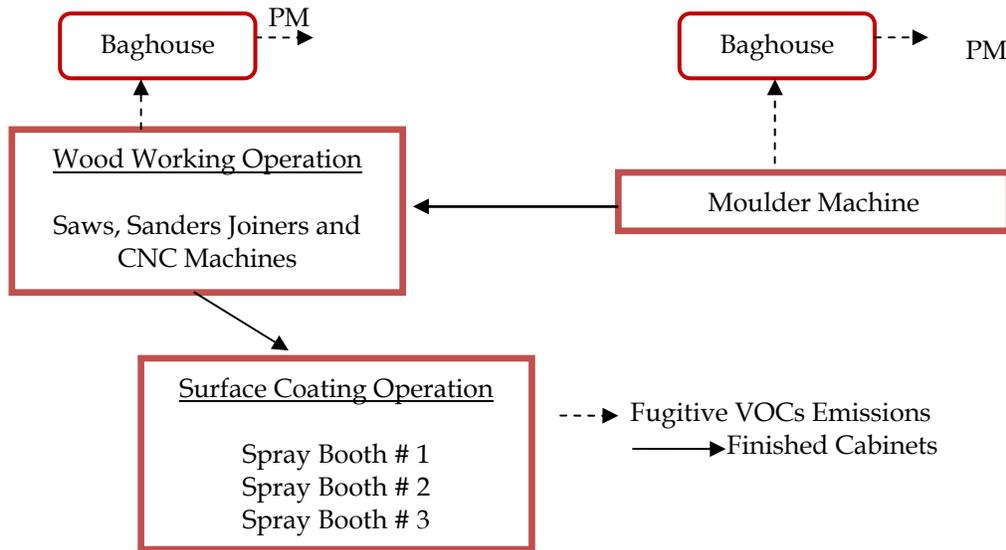
Booth # 1 is a Brink booth with no inlet air heater. It is typically used for top coating the pieces.

Booth # 2 is a Black Crowe booth with 800,000 BTU/hour liquefied propane (LP) gas inlet air heater. It is typically used for sealer coating (strains).

Booth # 3 is a Black Crowe booth with 800,000 BTU/hour LP gas air heater. It is typically used for painting

SECTION 1. GENERAL INFORMATION (FINAL)

Process Flow Diagram



FACILITY REGULATORY CLASSIFICATION

- The facility **is not** a major source of hazardous air pollutants (HAP).
- The facility **has no** units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility **is not** a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility **is not** a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

1. Permitting Authority: The permitting authority for this project is the Florida Department of Environmental Protection, Northeast District Office. The Permitting Authority's mailing address and telephone number are: 7825 Baymeadows Way, Suite B200, Jacksonville, Florida 32256-7590; Telephone: 904/807-3300. All documents related to applications for permits shall be submitted to the Permitting Authority.
2. Compliance Authority: The compliance authority for this project is the Florida Department of Environmental Protection, Northeast District Office. The Compliance Authority's mailing address and telephone number are: 7825 Baymeadows Way, Suite B200, Jacksonville, Florida 32256; Telephone: 904/807-3300. All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Compliance Authority.
3. Appendices: The following Appendices are attached as part of this permit:
 - a. Appendix A. Citation Formats and Glossary of Common Terms;
 - b. Appendix B. General Conditions;
 - c. Appendix C. Common Conditions
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
6. Modifications: No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
7. Source Obligation:
 - (a) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

Condition 7 continued:

- (b) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

[Rule 62-212.400(12), F.A.C.]

- 8. A completed **Application for Non-Title V Air Permit Renewal** [DEP Form No. 62-210.900(4), F.A.C.] shall be submitted to the Department at least 60 days prior to the expiration date of this operation permit. To properly apply for an operation permit, the permittee shall submit the appropriate application form, processing fee, and compliance test reports as required by this permit.

[Rule 62-4.055, F.A.C.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

A. 001 Wood Working and Moulding Operation

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
001	Wood Working and Moulding Operation (Wood Working Baghouse Emissions Point 01 (Nordfab Systems NFK 2000 HJLR)) Moulder Machine Baghouse Emissions Point 02 (NBM dust collector)

PERFORMANCE RESTRICTIONS

A.1. Hours of Operation. The hours of operation are limited to 4160 hours per 12-consecutive months.

[Rules 62-4.160(2), 62-210.200(PTE), F.A.C. and Air Construction Permit No. 0010120-003-AC]

A.2. Control Unit. The emissions from the wood working operations shall be controlled by the permitted baghouse (Nordfab Systems unit model # NFK-2000 HJLR). The emissions from the moulder machine shall be controlled by the permitted baghouse (NBM Modular Dust Collector).

The owner or operator shall operate the baghouse during normal operation (whenever the dust is generated from the wood working operation). If there is a malfunction on the control unit, the owner or operator shall shut the baghouse fan immediately to minimize excess emissions.

[Rule 62-210.700(1) and 62-21.650, F.A.C]

RECORDKEEPING

A.3. Hours of Operation Recordkeeping. The owner or operator shall record the daily hours of operation, sum the hours on the monthly basis, then compile the records into hours per 12 consecutive months. The record shall be kept on site for at least 3 years.

[Rule 62-4.070 (2) and 62-4.160, F.A.C]

A.4. Baghouse Malfunction/Maintenance Record. The owner or operator shall maintain the malfunction and maintenance records of the baghouses. The record shall be kept on site for at least 3 years, and shall include the following information but not limited to:

- a. Date and type of malfunctions occurred.
- b. Duration of the malfunction and correction action taken.
- c. Maintenance conducted on the baghouses.

[Rule 62-4.070 (2), and 62-4.160, F.A.C.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

B. Emissions Unit 002-Surface Coating Operation

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
002	Surface Coating Operation

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

B.1. **Hours of Operation.** The hours of operation are not restricted (8760 hpy).
[Rules 62-4.160(2), and 62-210.200(PTE), F.A.C.]

B.2. **Material Usage Limitation.** The owner or operator shall not use more than 7776 gallons of VOC containing material per 12 consecutive months.
[Rule 62-4.070 (2), 62-210.200(PTE), F.A.C. and Air Construction Permit No. 0010120-003-AC]

EMISSION LIMITATIONS AND PERFORMANCE STANDARDS

B.3. **Emissions Cap.** The owner or operator shall NOT cause to discharge
I. More than 20 tons of Volatile Organic Compounds (VOCs) for 12 consecutive months; and
II. More than 5 tons of any single Hazardous Air Pollutant (HAP) for 12 consecutive months; and
III. More than 10 tons of Total Hazardous Air Pollutants (HAPs) for 12 consecutive months.
[Air Construction Permit No. 0010120-003-AC, 62-210.200(PTE), F.A.C]

COMPLIANCE DEMONSTRATION

B.4. **Compliance Demonstration.** The owner or operator shall maintain records that demonstrate the annual emissions do not exceed the emissions limiting standards as specified in **Specific Condition B.3**. The records shall be kept onsite for at least 3 years.

B.5. **Records.** The records shall include the following information.
(1) A certified product data sheet (or MSDS) for each finishing material, thinner, contact adhesive, and strippable spray booth coating; and
(2) The HAP content, of each HAP containing material; and
(3) The VOC content, of each VOC containing material; and
(4) VOC/HAP containing material monthly usage (purchase receipt shall be maintained to justify the usage data); and
(5) Monthly VOC, single HAP and total HAPs emissions (include calculations); and
(6) VOC, single HAP and total HAPs emissions for 12 consecutive months.

[Rule 62-4.070 (2), F.A.C.]