

R F C / E L

**SURFACE COATING OPERATIONS
AIR GENERAL PERMIT REGISTRATION FORM**

MAY 07 2010

Part II. Notification to Permitting Office DEPARTMENT OF Air Monitoring
(Detach and submit to appropriate permitting office; keep copy onsite) Mobile Sources

Instructions: To give notice to the Department of an eligible facility's intent to use this air general permit, the owner or operator of the facility must detach and complete this part of the Air General Permit Registration-Form-and-submit-it-to-the appropriate Department of Environmental Protection or local air pollution control program office which has permitting authority. Please type or print clearly all information, and enclose the appropriate air general permit registration processing fee pursuant to Rule 62-4.050, F.A.C. (\$100 as of the effective date of this form).

0890436-001

Registration Type

Check one:

INITIAL REGISTRATION - Notification of intent to:

- Construct and operate a proposed new facility.
 Operate an existing facility not currently using an air general permit (e.g., a facility proposing to go from an air operation permit to an air general permit).

RE-REGISTRATION (for facilities currently using an air general permit) - Notification of intent to:

- Continue operating the facility after expiration of the current term of air general permit use.
 Continue operating the facility after a change of ownership.
 Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C., or any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.

Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only

If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner or operator upon the effective date of this air general permit. In such case, check the first box, and indicate the operation permits being surrendered. If no air operation permits are held by the facility, check the second box.

- All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s): _____
 No air operation permits currently exist for this facility.

General Facility Information

Facility Owner/Company Name (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.)

Masonite Corporation

Site Name (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a registration form must be completed for each.)

Masonite Yulee DorFab

Facility Location (Provide the physical location of the facility, not necessarily the mailing address.)

Street Address: 86554 Gene Lassere Blvd.

City: Yulee

County: Duval

Zip Code: 32097 - 3382

Facility Start-Up Date (Estimated start-up date of proposed **new** facility.)(N/A for existing facility)
June 1, 2010

Owner/Authorized Representative

Name and Position Title (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.)

Print Name and Title: Donald Kallstrand, General Manager

Owner/Authorized Representative Mailing Address

Organization/Firm: Masonite Corporation

Street Address: 86550 Gene Lassere Blvd.

City: Yulee

County: FL

Zip Code: 32097-3382

Owner/Authorized Representative Telephone Numbers

Telephone: 800-260-6032 x230

Fax:

Cell phone (optional):

Facility Contact (If different from Owner/Authorized Representative)

Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)

Print Name and Title: SAME

Facility Contact Mailing Address

Organization/Firm:

Street Address:

City:

County:

Zip Code:

Facility Contact Telephone Numbers

Telephone:

Fax:

Cell phone (optional):

Owner/Authorized Representative Statement

This statement must be signed and dated by the person named above as owner or authorized representative

I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Registration Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the facility addressed in this registration form is eligible for use of this air general permit and that the statements made in this registration form are true, accurate and complete. Further, I agree to operate and maintain the facility described in this registration form so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof.

I will promptly notify the Department of any changes to the information contained in this registration form.


Signature

4/8/2010
Date

Material Usage Rates

If this is an **initial registration** for a surface coating operation, provide an estimate of the average quantity of volatile organic compounds in all coatings (solvents and thinners) expected to be used on a daily basis.

3.5 pounds/day of VOC

If this is a **re-registration** for an existing surface coating operation, provide the highest monthly average of the daily quantity of volatile organic compounds in all coatings (solvents and thinners) used in the last five years. Indicate the month and year during which this usage occurred.

Description of Facility

Below, or as an attachment to this form, provide a description of the surface coating operations at the facility in sufficient detail to demonstrate the facility's eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility. Describe all air pollutant-emitting processes and equipment at the facility, and identify any air pollution control measures or equipment used.

See Attached

**Masonite Corporation
Yulee DorFab
86550 Gene Lasserre Blvd.
Yulee, FL 32097**

**Pre-Finish Paint Line Project
April 2010**

Process Description

The pre-finish process will provide a finished coating to wood, fiberglass, and steel doors using an automatic conveyor to move the doors through the following stations.

Door Preparation – Prior to entering the coating station, doors will be wiped with acetone to remove any scuff marks that could impact the quality of the finish.

On-Line Manual Spray Paint Booth – Doors will enter the spray booth and be manually sprayed using air atomizing spray guns. Either paints or stains will be applied in the booth. A final clear topcoat will be applied to both painted and stained doors on a subsequent pass-through. The coatings are all water based, and criteria pollutant emissions from this process include both VOCs and particulate.

In practice, a small amount of VOCs will be emitted from the flash-off tunnel and the drying oven; however, the majority of the VOCs will be emitted through the paint booth stack.

Flash-off Tunnel – Next the doors will move through this unheated, ventilated chamber prior to entering the dryer. As noted above, in practice, a small amount of VOCs may be emitted from this process, but the assumption is made that all VOCs are emitted at the paint booth.

Drying Oven – Doors will pass through a 1.3 MMBtu/hr rated propane heated drying oven to cure the paint and minimize any blemishes or dust contamination that could occur if air-drying were used. As noted above, in practice, a small amount of VOCs may be emitted from this process, but the assumption is made that all VOCs are emitted at the paint booth. In addition, emissions from the combustion of the natural gas used to generate heat for drying are also accounted for in this step.

The size of (1.3 MMBtu/hr) and fuel used by (propane) the drying oven exempt the unit from permitting as per 62-210.300(3)a.33., F.A.C.

Off Line Manual Spray Paint Booth – Incidental touch-up, repair, and special product operations will take place in this booth. Utilization of this booth is expected to be approximately 10% of the time. VOC and particulate emissions from the painting operation in this booth are expected to be minimal.

Material Usage Rates

Material usage rates are expected to average 6 gallons per day, with a maximum potential of 60 gallons per day.

Process Rate

The expected average process rate is to coat 6 door slabs per hour. Maximum potential process rate is estimated be 20 door slabs per hour.

HAP and Criteria Pollutant Emissions

Emissions of Hazardous Air Pollutants and Criteria Air Pollutants will not exceed the limits set in the Surface Coating Operations Air General Permit eligibility criteria. The following table summarizes the expected average and maximum potential emissions of the spray coating operation, compared to the Surface Coating eligibility criteria.

Pollutant	Expected Average Emissions	Maximum Potential Emissions	Surface Coating Operations General Permit Eligibility Criteria
VOCs	3.5 lb/day	35 lb/day	<44 lbs/day (monthly avg.)
VOCs	0.5 tpy	6.3 tpy	<100 tpy
PM/PM10	0.01 tpy	0.22 tpy	<100 tpy
HAPs	1.1 tpy	3.7 tpy	<10 tpy for any single HAP
HAPs	1.1 tpy	3.7 tpy	<25 tpy for all combined HAPs

Worst case assumptions were used when calculating emissions, including:

- 100% of the VOCs in the coatings are emitted
- No downtime for breaks or maintenance is factored in
- Maximum VOC, solids, and HAP content are used in all calculations
- Minimum filter efficiency for PM removal is used in the PM calculations
- Maximum potential emissions are based on 8760 operating hours per year

Operating Schedule

Normal operating schedule at the facility is one 8-hour shift, 5 days per week, 52 weeks per year. Occasionally, the work week is extended to 6-days, or shifts are extended to 10 hours. It is possible that a second shift could be added at a later date.



RECEIVED

MAY 07 2010

Buyer Services
& Marketing Resources

April 30, 2010

Certified Mail/Return Receipt Requested
7004 1160 0006 0643 1461

Florida Department of Environmental Protection
FDEP Receipts
PO Box 3070
Tallahassee, FL 32315-307

**Re: Masonite Yulee DorFab
Pre-Finish Paint Line**

Dear FDEP:

Masonite Corporation currently operates a door fabrication system in Yulee, Florida. The facility is submitting a Surface Coating Operations Air General Permit Registration Form for your consideration, to allow the installation of a manual spray painting operation and conveyor system for the production of pre-finished doors. The details of the operation are outlined in the attached process description. The \$100 processing fee is also enclosed with this application.

If there are questions concerning the content of this application, or if you need additional information, please feel free to contact me by telephone or email at the number or email address listed below.

Please direct all written correspondence regarding this application to Masonite Yulee DorFab, Attention Mr. Donald Kallstrand, General Manager, 86550 Gene Lassere Blvd., Yulee, FL 32097.

Thank you for your assistance with this project.

Kind Regards,

A handwritten signature in black ink, appearing to read "Denise M. Wlodyka".

Denise M. Wlodyka
Sr. Environmental Engineer
Masonite Corporate Environment

Enclosures

UNITED STATES
POSTAL SERVICE



MAY 04 10
AMOUNT

PLEASE PRESS F1

1006

32315

\$10.00

00020344-0



Flat Rate Mailing Envelope

For Domestic and International Use

Visit us at usps.com

7947 4490 9000 0911 4002



From:



Denise Wlodyka
205 W. 4th Ave.
Franklin, VA 23851

CERTIFIED MAIL™
PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

To:

Florida DEP
FDEP Receipts
PO Box 3070
Tallahassee, FL 32315-307

Country of Destination/Pays de destination:

