



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

July 30, 2008

Mr. Sean Hassett, President
Tropix Marble Company
5741 Zip Drive
Fort Myers, Florida 33905

Dear Mr. Hassett:


This is to acknowledge that your notification of intent to use the authority of Rule 62-210.310 to operate your facility was received on June 27, 2008. We have assigned ARMS No. 0710175-004 to this facility.

As you know, pursuant to Florida Statutes section 403.814, authority to operate under general permits commences thirty days after receipt of the registration form unless you have been notified by this office that your facility has not shown entitlement to operate pursuant to the rule provisions.

For your information, authority to operate pursuant to Rule 62-210.310 expires after 5 years. Therefore, a new registration form must be received no later than 5 years after the date your notice was received as indicated above. If your general permit rule conditions require testing, such testing must be completed within the time frame specified in the rule.

If you have any additional questions, please contact Dickson Dibble at 850/921-9586.

Sincerely,


for Sandra F. Veazey, Chief
Bureau of Air Monitoring
and Mobile Sources

SFV/pg

cc: Mr. Sherrill Culliver, South District

2272

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**CAST POLYMER OPERATIONS
AIR GENERAL PERMIT REGISTRATION FORM**

JUL 01 2008

BUREAU OF AIR QUALITY
& MOBILE SOURCES

Part II. Notification to Permitting Office

(Detach and submit to appropriate permitting office; keep copy onsite)

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)

0710175-004

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):
Non-Title V, (FE SOP) Air Construction Permit 0710175-003-AC
 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.)

Sean Hassett / Tropix Marble Co.

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.)

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

Street Address: 5741 Zip Drive

City: Ft Myers

County: Lee

Zip Code: 33905

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

N/A

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: Sean Hassett President

Owner/Authorized Representative Mailing Address

Organization/Firm: Tropix Marble

Street Address: 5741 Zip Dr

City: Ft Myers

County: Lee

Zip Code: 33905

Owner/Authorized Representative Telephone Numbers

Telephone: 239 334-2371

Fax: 239 334-0116

Cell phone (optional): 239 229-7189

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:

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.

Sean Hassett
Signature

6/17/08
Date

Material Usage Rates

If this is an **initial registration** for a cast polymer operation, provide an estimate, in pounds, of the total quantity of styrene containing materials (resin and gelcoat) expected to be used over a 12-month period. Note: the general permit limits the usage of such material to 284,000 pounds (142 tons) in any consecutive 12-months.

120,000 lbs (resin + gelcoat)

If this is a **re-registration** for a cast polymer operation, provide the highest 12-month total quantity, in pounds, of styrene containing materials (resin and gelcoat) used in the last five years. Indicate the 12-month period over which this usage occurred.

Description of Facility

Below, or as an attachment to this form, provide a description of the cast polymer 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.

Process Description and Emission Estimates

Process Description

Tropix Marble Company, Incorporated is applying for an FDEP minor source air construction permit for their cast/cultured marble manufacturing facility at 5741 Zip Drive, Fort Myers (Lee County), located as shown in Attachment 1. The facility, which currently operates under a General Air permit, manufactures simulated cultured marble countertop and bathroom fixture products via semi-closed casting and/or molding techniques from styrene-based resins and gelcoats.

The facility dimensions and site layout, along with the general location of the various activities are shown in Attachment 1. The manufacturing building is approximately 165 feet long, 120 feet wide at maximum, and 26 feet high at roof peak. The approximate western 25% of the building consists of non-emitting activities, such as raw materials warehousing and finished goods storage. The remaining areas of the building will be dedicated to cast marble manufacturing, finishing, mold care, and related activities.

The manufacturing process begins with the application of a gelcoat containing typically less than 48% (wt) styrene to a mold. The gelcoat is applied by conventional airless air assisted spray layup gun, a procedure performed in the interior of the building in the Gruber GF-14-7-8 gelcoat booth located as shown in Attachment 1. The use of the airless air assisted spray layup gun results in a minimum of overspray. The booth is vented via a fan which exhausts through and upward above the roof. The 30-inch diameter exhaust fan is rated at 11900 cfm @ 0.25" static pressure, and has an unobstructed upward flow of air. Filters in the booth exhaust prevent the emission of particulate overspray. The booth is equipped with a manometer which measures the pressure drop across the filters, and the filters are replaced as necessary and in accordance with manufacturer specifications.

During periods of lower ambient temperatures, the molds may be passed through a "curing tunnel" to ensure proper and timely curing of the resin. The tunnel is heated by natural gas; no alternative fuel can be used. The maximum heating rate of the oven is 200,000 Btu/hr; as use of the oven is limited to cold days, the typical annual gas usage is low.

The polyester resin, which typically contains 30-35% (wt) styrene (but may contain higher or lower levels for specific physical properties), is mixed with an inert solid filler such as titanium dioxide or calcium carbonate in approximately a 5:1 inert:resin ratio in mixing pots of various sizes (10 to 30 gallons) at a mixing station, shown in Attachment 1. After thorough mixing, a small quantity (approximately 1 to 2% by weight of the resin) of methyl ethyl ketone peroxide is added to catalyze the resin. VOC emissions from the mixing activity are negligible, since the mixing pot is covered as feasible except when material is being added, mixed or removed, and styrene has a low vapor pressure (0.1156 psia) at the (essentially constant) room temperature.

The filled resin material is then transferred to and poured into the previously gelcoated molds in a "semi-closed molding" operation located in the "casting area." Some molds are completely closed after resin addition, while the majority have one exposed surface.

When the resin mixture is hardened, the mold is separated from the cured part. The mold is cleaned and prepared for return to the start of the process in the "setup" area; repair of damaged molds before re use, and construction of new molds for a new part, is conducted in the "mold repair" area as shown in Attachment 1.

The gelcoat booth exhaust fan will be the primary source of the VOC emissions. Horizontal firing wall fans in the open mixing/casting area remove the hot building air from the working area and to a lesser degree exhaust limited VOC species from the mixing/casting operations, as will be discussed later. Since the resin mixture is poured into rather than sprayed onto the molds, there is no potential for particulate generation from these activities.

Final grinding, shaping, and sanding of the fixtures as needed after removal from the mold is performed in the Gruber Systems grinding booth, equipped with a Torrit filter system, and in the finishing area. These production related activities will be performed using hand held tools to minimize the generation of particulate emissions. Any particulates generated in the grinding booth are controlled by the integral dust collector, which returns the filtered air back to the room. The grinding booth does not have an outside exhaust point. Additional particulate control in the general finishing area is maintained by frequent sweeping and cleaning of work surfaces, floors, and tools. Good particulate control is necessary to prevent contamination of the resin and gelcoating surfaces in the adjacent areas.

From the grinding and finishing areas the product is cleaned, inspected, and prepared for shipping/delivery to the purchaser for installation in the field.

**Florida Department of Environmental Protection
 Cash Receiving Application (CRA)
 Cashlisting by Deposit #: 281756 thru 281756
 Printed: 6/27/2008 5:22:41 PM - Page 18**

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Bureau of Air Monitoring
& Mobile Sources

Cashlisting: **69388** Cashlist Area: **3755** Description: **DIV OF AIR RESOURCES MGMT.**
 Deposit No: **281756** Date Deposited: **06/27/2008** Contact: **E. WALKER**

Object	Transmittal	Dep DDN	Receipt Number	Pre-Numbered Receipt	Name	Check Number	Payment Amount	Reference Account	Payment Number	Remittance Number	Fund	Grant
002272	49246	484208	629560		TROPIX MARBLE	13545	\$100.00	0710175-004 7/3/2008 - PO	888326	787548	PFTF	
Object Code 002272 Subtotal:							\$100.00					
002275	49246	484203	629555		S2 YACHTS, INC.	62058	\$816.86	1110074	888318	787543	APCTF	
Object Code 002275 Subtotal:							\$816.86					
002278	49246	484207	629559		ABATEMENT & DEMOLITION SERVICE	10351	\$300.00	48481	888324	787547	APCTF	
Object Code 002278 Subtotal:							\$300.00					
Cashlisting 69388 Total:							\$1,216.86					

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JUL 07 2008

Bureau of Air Monitoring & Mobile Sources

DEP ROUTING AND TRANSMITTAL SLIP

TO: Dick Dibble
Bureau of Air Monitoring & Mobile Sources
Air General Permit Program
MAIL STATION #5500 - MAGNOLIA CENTER

PLEASE PREPARE REPLY FOR:
 SECRETARY'S SIGNATURE
 DIV/DIST DIR SIGNATURE
 MY SIGNATURE
 YOUR SIGNATURE
 DUE DATE: _____

COMMENTS:

TROPIX MARBLE COMPANY
DEP FILE No. 0710175-003-AC

ACTION/DISPOSITION:
 DISCUSS WITH ME
 COMMENTS/ADVISE
 REVIEW AND RETURN
 SET UP MEETING
 FOR YOUR INFORMATION
 HANDLE APPROPRIATELY
 INITIAL AND FORWARD
 SHARE WITH STAFF
 FOR YOUR FILES

FROM: Carter Endsley / South District DATE: 07/2/08 PHONE: 239.332.6975



Florida Department of Environmental Protection

South District Office
P.O. Box 2549
Ft. Myers, Florida 33902-2549

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

NOTICE OF PERMIT CANCELLATION

CERTIFIED MAIL 7007 1490 0003 7209 3493
RETURN RECEIPT REQUESTED

Sean Hassett, President
TROPIC Marble Company
5741 Zip Drive
Fort Myers, Florida 33905

Lee County - AP
Cultured Marble Manufacturing
DEP File No: 0710175-003-AC

Dear Mr. Hassett;

This letter is to acknowledge receipt of your email communication dated June 4, 2008 to my attention, regarding your request to terminate your "FESOP" Construction Permit No. 0710175-003-AC.

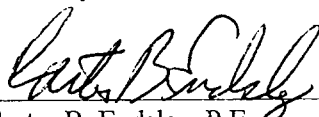
It is understood that you have applied for an Air General Permit instead, due to economic business decline that demands lower production. You advise that this smaller production results in an approximate 85% reduction in emissions from the original FESOP Construction Permit application captioned above. Based upon these values, you have requested to revert back to an Air General permit plan that you have operated under in the past.

You have now applied direct to the Florida D.E.P. in Tallahassee (Attn: Mr. Dick Dibble) for the "Air General" permit.

Please be advised that your "FESOP" Air Construction Permit No. 0710175-003-AC is being changed to expire effective July 30, 2008. (Per Rule 62-210.310(2)(b)1, "Any existing, individual air operation permit(s) authorizing operation of the facility must be surrendered by the owner or operator, effective upon the first day of the use of the air general permit").

WARNING: Any violation of the terms of the Air General Permit (GP) and/or exceeding the limits of the permit, can result in significant fees ("penalty") or loss of permit to operate.

Sincerely,


Carter B. Endsley, P.E.
Air Permitting Manager

CBE/jw

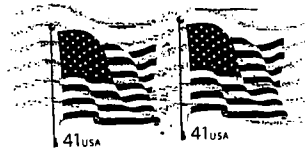
cc: ✓ Dick Dibble – FDEP-Air Resources Management, Tallahassee
Tom John, P.E. – Tom John Engineering Inc.
Satyal Ajaya – FDEP-Fort Myers
Sherrill Culliver – FDEP-Fort Myers
Susan Machinski – FDEP-Fort Myers

"More Protection, Less Process"
www.dep.state.fl.us

TROPIX MARBLE COMPANY

2900 Hanson St.
Fort Myers, FL 33916

POST OFFICE BOX 3070
TALLAHASSEE FL 32315



FDEP
Receipts
po Box 3070
Tallahassee, FL 32315-3070

323153070

