

2012 JAN 20

Department of  
Environmental Protection

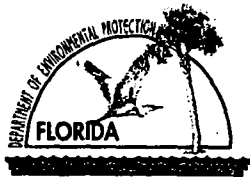
RECEIVED

Division of Air Resource Management

JAN 25 2012

SURFACE COATING OPERATIONS  
AIR GENERAL PERMIT REGISTRATION FORM

DIVISION OF AIR  
RESOURCE MANAGEMENT



Facility Identification Number (If known)

NA 0710281-001

Registration Type

Check one:

**INITIAL REGISTRATION** - Notification of intent to:

- Construct and operate a proposed new facility.
- Operate an existing permitted 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). If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner upon the effective date of this air general permit. (see "Surrender of Existing Air Operation Permit(s)" below.)
- Operates an existing facility not currently permitted or using 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**

All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s):

NA

**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.)

JW Restorations, Inc.

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

MAACO Collision Repair and Auto Painting

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

Street Address: 1221 SE 9th Terrace

City: Cape Coral

County: FL

Zip Code: 33990 - 3006

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

3/2012

**Facility Contact**

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

Print Name and Title: Jonathan Washer, Owner

Facility Contact Telephone Numbers

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

Cell phone: 239-810-1278

E-mail: race06centurylink.net

Facility Contact Mailing Address

Organization/Firm: JW Restorations, Inc.

Street Address: 14051 Campus Street

City: Fort Myers

County: Lee

Zip Code: 33905

**Other Contact/Representative (to serve as additional Department contact)**

Name and Position Title

Print Name and Title: Renee Washer

Other Contact/Representative Telephone Numbers

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

Cell phone: 239-810-1282

E-mail: \_\_\_\_\_

Other Contact/Representative Mailing Address

Organization/Firm: JW Restorations, Inc.

Street Address: 14051 Campus Street

City: Fort Myers

County: Lee

Zip Code: 33905

### **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.

31 lbs/day

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.

JW Restorations, Inc. dba MAACO Collision Repair and Auto Painting, is an auto body shop used for the refinishing and resurfacing of automobiles. This facility contains a Global Finishing Solution Space Saver Paint Spray booth and Oven. The paint spray booth is a pressurized semi-downdraft booth with GFS Wave filtration media (99.6% efficiency) for particulate control. The booth and oven each contain a 1.139 MM BTU/hr natural gas fired burner for paint curing and air makeup. The emissions from the equipment will consist of VOC's and a small amount of particulate after filtration. Criteria pollutants from the combustion of natural gas are also emitted. The applicator is a high efficiency gravity feed gun that provides equal or better transfer efficiency than HVLP. A BECCA NEXT 10 totally enclosed gun washer will also be used for cleanup.

### **Helpful Definitions**

**"Coating"** – The application of a protective, decorative, or functional film to a surface.

**"Department"** or **"DEP"** – The State of Florida Department of Environmental Protection.

**"Emissions Unit"** – Any part or activity of a facility that emits or has the potential to emit any air pollutant.

**"Facility"** – All of the emissions units which are located on one or more contiguous or adjacent properties, and which are under the control of the same person (or persons under common control).

**"Owner"** or **"Operator"** – Any person or entity who or which owns, leases, operates, control or supervises and emissions unit or facility.

**Table 3. Particulate Emissions**

MAACO ENTERPRISES

Particulate Emission Calculations

Without control

A	B	C	D	E	F=(B*C*D*E)
Product Type	Amount applied per week (gal)	Percent Overspray	solids content (# solids/gal coating)	Weeks per year	Emissions (lbs/year)
Pretreatment Wash Primer	3	35%	1.73	52	94
Primer/Primer Surface	3	35%	7.30	52	399
Prime Sealer	10	35%	4.54	52	826
Topcoat (as applied)	48	35%	3.18	52	2778

Particulate Filters have a minimum removal efficiency of 99.6%.

**TOTAL: 4097.37**

**PTE: 17,256**

**8.63 tpy**

*The potential emissions are based on a ratio of the actual emissions multiplied by 8760 hours divided by 2080 hours (actual hours of operation).*

With control

Pretreatment Wash Primer	0.38 lbs/yr
Primer/Primer Surface	1.59 lbs/yr
Prime Sealer	3.31 lbs/yr
Topcoat (as applied)	11.11 lbs/yr

**TOTAL: 16.39 lbs/yr**

**Table 1. Coating Analysis**National Rule  
Sherwin Williams Paints

Type	Product Code	Density (lbs/gal)	VOC (total) (lbs/gal)	VOC (Less Exempt) (lbs/gal)	VOC Limit (lbs/gal)
<b>Pretreatment Wash Primer</b>					
Self Etch Primer- Aerosol	988	6.65	3.26	4.96	6.5
LCF Etching Primer	DE-830	7.8	6.03	6.07	
<b>Primer/Primer Surfacer</b>					
2K Urethane Primer Surfacer	DP840	10.46	4.26	4.26	
3.5 VOC Epoxy Primer Black	E2B931	10.26	2.19	3.08	4.8
3.5 VOC Epoxy Primer White	E2W932	10.41	2.23	3.11	
<b>Primer Sealer</b>					
2K Acrylic Urethane Sealer Gray	DS693	9.13	3.57	4.59	4.6
<b>Single/2-Stage Topcoats</b>					
Dimension Pro 5.0 All Colors	D5 RTS	7.93	4.57	4.74	5
<b>Topcoats of three or more stage</b>					
Dimension Basecoat Hi VOC	DIM B/C Hi VOC RTS	7.97	4.65	4.88	
Ultra 7000 Basecoats (2 Parts Clear U7215 to 1 part Basecoat)	B7 Max VOC RTS	7.89	4.94	4.94	5.2
<b>Multi-colored Topcoats</b>	N/A				
<b>Specialty Coatings</b>	N/A				

All calculations are derived using Sherwin Williams Environmental Data Sheets/Certified Product Data Sheets, unless products are applied as packaged (MSDS)

**Table 2. VOC Emissions**

National Rule  
Sherwin Williams Paints

Type	Product Code	Amount Applied per hour (gal)	VOC (lbs/gal)	Actual Hours Per year	Actual Emissions (tons/year)
<b>Pretreatment Wash Primer</b> LCF Etching Primer	DE-830	0.075	6.03	1040	0.23517
<b>Primer/Primer Surfacer</b> 2K Urethane Primer Surfacer	DP840	0.075	4.26	2080	0.33228
<b>Primer Sealer</b> 2K Acrylic Urethane Sealer Gray	DS693	0.25	3.57	1040	0.4641
<b>Single/2-Stage Topcoats</b> Dimension Pro 5.0 All Colors	D5 RTS	0.95	4.57	1040	2.25758
<b>Topcoats of three or more stage</b> Ultra 7000 Basecoats	B7 Max VOC RTS	0.25	4.94	1040	0.6422
<b>Multi-colored Topcoats</b>	N/A				
<b>Specialty Coatings</b>	N/A				
<b>Wash Thinner</b>	FT220	0.02875	4.81	2080	0.143819

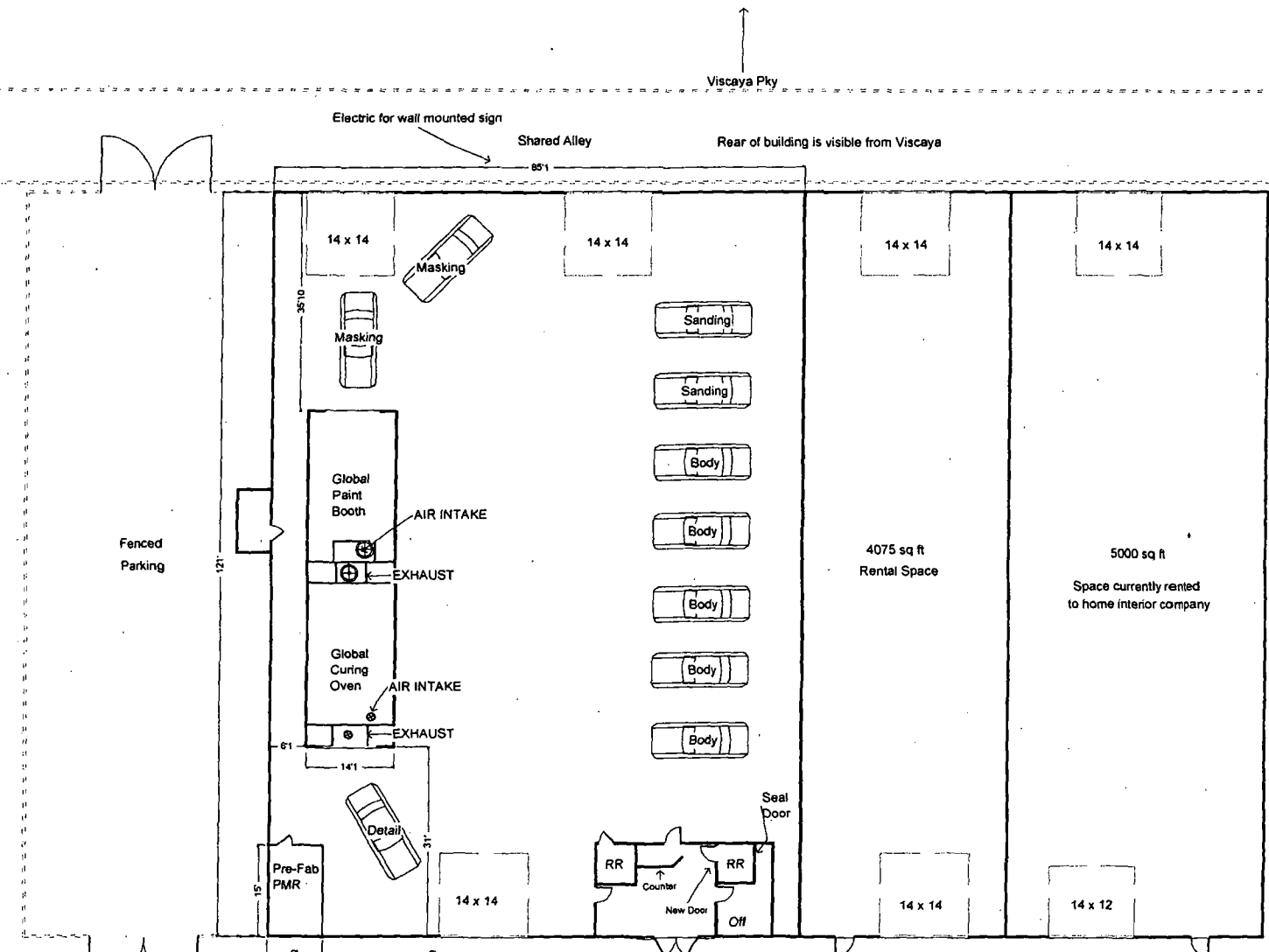
All calculations are derived using Sherwin Williams Environmental Data Sheets/Certified Product Data Sheets, unless products are applied as packaged (MSDS)

Total Actuals            **4.08 tpy**  
Potential                    **17.16 tpy**

Potential Emissions are based on 8760 hours per year

GLOBAL FINISHING SOLUTIONS - Space Saver Semi - Downdraft spray booth and Cure oven

Manufacture	Type		Model #	Exterior Dimensions
<b>Global Finishing Solution - Space Saver or Equivalent</b>	Pressurized Semi-Down Draft Spray Booth Booth:Exhaust: 34" 5 HP, 3 Phase. 10,000 CFM's. Exhaust Fan Part # GFA-34VP-050 Air Intake Unit: 34" 7.5 HP, 3 Phase, 10,000 CFMs BTUs: 1,139,000 NATURAL GAS	Spray		14' w x 27' 5" L x 12' 8 3/4"
<b>Global Finishing Solution - Space Saver or Equivalent</b>	Gas Fired Oven. Purge Exhaust: 12" 1/3 HP, 3 Phase, 10,000 CFMs Exhaust Fan Part #206-512 Intake: 12" Intake Duct w/ 5 HP, 3 Phase, 10,000 CFMs 1,139,000 BTUs Natural Gas			14' w x 27' 5" L x 12' 8 3/4"
	Overall Spray Booth & Oven Dimensions			14" x 55' 4"
<b>Spray Booth - Exhaust Filter Info</b>	GFS WAVE 99.6% efficiency	GFS WAVE	FIL-EPP-2025-W	12) 20' x 25"
<b>Spray Booth - Intake Filter Info</b>	Intake Ceiling Plenum - Polyester filter bonded with a polyvinyl chloride binder, diffusion medis - high temperature 99.9%		FMI 51121	2) 51" x 121"
	Intake filter at the burner - pocket style 95%		405220	2) 22 1/2" x 35 5/8" 4 pocket 8 1/4" pocket
<b>Cure Oven - Intake Filter Info</b>	Intake Ceiling Plenum - Polyester filter bonded with a polyvinyl chloride binder, diffusion medis - high temperature 99.9%		FMI 51121	2) 51" x 121"
	Intake filter at the burner - pocket style 95%		405220	2) 22 1/2" x 35 5/8" 4 pocket 8 1/4" pocket
<b>BECCA or Equivalent</b>	Gun Washer		NEXT 10	
<b>DeVilbiss</b>	HIGH EFFICIENCY GRAVITY FEED		GFG-670 Plus Gravity Gun	



Viscaya Pky

Fenced Parking

1-5-2012  
 Jonathan Washer  
 1221 SE 9th Terrace  
 Cape Coral, FL 33990

Approx building sq ft = 19,300  
 Meaco Total Sq Ft = 10,285  
 Production Sq Ft = 9895

Electric for wall mounted sign

N





215 Keystone Drive  
Montgomeryville, Pa. 18936  
Phone: 215.699.4800  
Fax: 215.699.8315  
www.complianceplace.com

January 19, 2012

**RECEIVED**

**JAN 25 2012**

**DIVISION OF AIR  
RESOURCE MANAGEMENT**

Mr. Dick Dibble  
Florida Department of Environmental Protection  
3800 Commonwealth Blvd.  
Tallahassee, FL 32399

**Re: MAACO – Air General Permit Registration**

Dear Dick:

Enclosed is the Surface Coating Operations Air General Permit Registration Form for a MAACO Collision Repair and Auto Painting facility located in Cape Coral, FL. The air general permit processing fee of \$100 is also attached.

If you have any questions you can contact me at 610-286-0305 or the facility owner, Jonathan Washer, at 239-810-1278.

Best Regards,

Karen McCoach  
Senior Project Manager

Enclosures

cc: J. Washer, w/ enclosures  
N. Marconi, w/ copy of check only

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
2012 JAN 20 PM 4: 04  
FINANCE & ACCOUNTING  
REVENUE