

**Prickett, Patricia**

---

**From:** ashap1@aol.com  
**Sent:** Thursday, January 14, 2010 2:51 PM  
**To:** Prickett, Patricia  
**Subject:** Re: FW: ALLIANCE COACH-WILDWOOD SERVICE CNT; 1190038-004-AO

hello patricia,  
thank you so much.  
received ok

alan

In a message dated 1/14/2010 10:24:50 A.M. Eastern Standard Time, [Patricia.Prickett@dep.state.fl.us](mailto:Patricia.Prickett@dep.state.fl.us) writes:

Resending. Had wrong e-mail address.

*Patricia Prickett*

Patricia Prickett

Senior Clerk

FDEP - Air Program - SWD

(813) 632-7600 Ext 102

Email: [Patricia.Prickett@dep.state.fl.us](mailto:Patricia.Prickett@dep.state.fl.us)

Please Note: Florida has a very broad Public Records Law. Most written communications to or from State and Local Officials regarding State or Local business are public records available to the public and media upon request. Your email communications may therefore be subject to public disclosure.

---

**From:** Prickett, Patricia  
**Sent:** Thursday, January 14, 2010 10:12 AM  
**To:** 'AShap@aol.com'  
**Cc:** Stubbs, Danny; Zhang-Torres  
**Subject:** ALLIANCE COACH-WILDWOOD SERVICE CNT; 1190038-004-AO

Attention: Mr. Alan Shapiro, President

Owner/Company Name: ALLIANCE COACH, INC.  
Facility Name: ALLIANCE COACH-WILDWOOD SERVICE CNT  
Project Number: 1190038-004-AO  
Permit Status: FINAL  
Permit Activity: TRANSFER  
Facility County: SUMTER

Click on the following link to access the permit project documents:

[http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf\\_permit\\_zip\\_files/1190038.004.AO.F\\_pdf.zip](http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/1190038.004.AO.F_pdf.zip)

Attached is the official **Notice of Administrative Permit Correction** for the project referenced above. This Notice of Administrative Permit Correction has been posted on the Department of Environmental Protection's Southwest District website.

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If you should have any questions, please contact Danny Stubbs, the Permit Engineer at [Danny.Stubbs@dep.state.fl.us](mailto:Danny.Stubbs@dep.state.fl.us).

Sincerely,

*Patricia Prickett*

Patricia Prickett

Senior Clerk

FDEP - Air Program - SWD

(813) 632-7600 Ext 102

Email: [Patricia.Prickett@dep.state.fl.us](mailto:Patricia.Prickett@dep.state.fl.us)

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**Prickett, Patricia**

---

**From:** Microsoft Exchange  
**To:** 'ashap1@aol.com'  
**Sent:** Thursday, January 14, 2010 10:24 AM  
**Subject:** Relayed: FW: ALLIANCE COACH-WILDWOOD SERVICE CNT; 1190038-004-AO

**Delivery to these recipients or distribution lists is complete, but delivery notification was not sent by the destination:**

'ashap1@aol.com'

**Subject:** FW: ALLIANCE COACH-WILDWOOD SERVICE CNT; 1190038-004-AO

---

Sent by Microsoft Exchange Server 2007

## Prickett, Patricia

---

**From:** Prickett, Patricia  
**Sent:** Thursday, January 14, 2010 10:24 AM  
**To:** 'ashap1@aol.com'  
**Cc:** Stubbs, Danny  
**Subject:** FW: ALLIANCE COACH-WILDWOOD SERVICE CNT; 1190038-004-AO  
**Attachments:** 1190038.004.ao.f.TransferOwnership.pdf

Resending. Had wrong e-mail address.

*Patricia Prickett*

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FDEP - Air Program - SWD  
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Email: [Patricia.Prickett@dep.state.fl.us](mailto:Patricia.Prickett@dep.state.fl.us)

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Facility Name: ALLIANCE COACH-WILDWOOD SERVICE CNT  
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Permit Status: FINAL  
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[http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf\\_permit\\_zip\\_files/1190038.004.AO.F\\_pdf.zip](http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/1190038.004.AO.F_pdf.zip)

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If you should have any questions, please contact Danny Stubbs, the Permit Engineer at [Danny.Stubbs@dep.state.fl.us](mailto:Danny.Stubbs@dep.state.fl.us).

Sincerely,

*Patricia Prickett*

Patricia Prickett  
Senior Clerk  
FDEP - Air Program - SWD  
(813) 632-7600 Ext 102

Email: [Patricia.Prickett@dep.state.fl.us](mailto:Patricia.Prickett@dep.state.fl.us)

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**Prickett, Patricia**

---

**From:** Microsoft Exchange  
**To:** 'AShap@aol.com'  
**Sent:** Thursday, January 14, 2010 10:13 AM  
**Subject:** Undeliverable: ALLIANCE COACH-WILDWOOD SERVICE CNT; 1190038-004-AO

**Delivery has failed to these recipients or distribution lists:**

'AShap@aol.com'

The recipient's e-mail address was not found in the recipient's e-mail system. Microsoft Exchange will not try to redeliver this message for you. Please check the e-mail address and try resending this message, or provide the following diagnostic text to your system administrator.

The following organization rejected your message: mtain-dc05.r1000.mx.aol.com.

---

Sent by Microsoft Exchange Server 2007

*10:25 A - 01/14/10  
1-706-465-1385 - spoke with  
Alan Shapiro - email address is  
ASHAP1@AOL.COM*

**Diagnostic information for administrators:**

Generating server: EHCAS1.floridadep.net

AShap@aol.com

mtain-dc05.r1000.mx.aol.com #550 5.1.1 <AShap@aol.com>: Recipient address rejected: aol.com ##

Original message headers:

Received: from ECHMBB.floridadep.net (:::1) by EHCAS1.floridadep.net (:::1) with mapi; Thu, 14 Jan 2010 10:13:20 -0500

From: "Prickett, Patricia" <Patricia.Prickett@dep.state.fl.us>

To: "AShap@aol.com" <AShap@aol.com>

CC: "Stubbs, Danny" <Danny.Stubbs@dep.state.fl.us>, Zhang-Torres <Cindy.Zhang-Torres@dep.state.fl.us>

Disposition-Notification-To: "Prickett, Patricia" <Patricia.Prickett@dep.state.fl.us>

Return-Receipt-To: <Patricia.Prickett@dep.state.fl.us>

Content-Class: urn:content-classes:message

Date: Thu, 14 Jan 2010 10:11:41 -0500

Subject: ALLIANCE COACH-WILDWOOD SERVICE CNT; 1190038-004-AO

Thread-Topic: ALLIANCE COACH-WILDWOOD SERVICE CNT; 1190038-004-AO

Thread-Index: AcqVLBsUpZMxpRePTQ+UCxprH57sjQ==

Message-ID: <56B3520F0957C94995B8BA23B9F5ECD84422EC8139@ECHMBB.floridadep.net>

Accept-Language: en-US

Content-Language: en-US

X-MS-Has-Attach: yes

X-MS-TNEF-Correlator:

acceptlanguage: en-US

Content-Type: multipart/mixed;

boundary="\_004\_56B3520F0957C94995B8BA23B9F5ECD84422EC8139ECHMBBflorida\_"

MIME-Version: 1.0



ALLIANCE  
H-WILDWOOD SER



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Facility Name: ALLIANCE COACH-WILDWOOD SERVICE CNT  
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[http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf\\_permit\\_zip\\_files/1190038.004.AO.F\\_pdf.zip](http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/1190038.004.AO.F_pdf.zip)

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Sincerely,

*Patricia Prickett*

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## Stubbs, Danny

---

**From:** Kurt Anderson [Kurt.Anderson@monacocoach.com]  
**Sent:** Wednesday, September 10, 2008 12:04 PM  
**To:** Stubbs, Danny  
**Subject:** training material  
**Attachments:** Training certificates BASF.doc; spray operator training.pdf; Spray painter refresher.pdf; Particulate control systems.pdf; spray equipment operator evaluation.pdf; Monaco (BASF) Certification Training Program.doc; PAINTER SAFETY SECTION 1 - 7-27-2007.ppt; PAINTER TECH AND GUNS SECTION 2 -7-27-2007.ppt; paintp2.pdf

Attached is the training material and certificate list for Florida: I included 2007 and 2008 training; 2008 was just completed. Let me know if you need anything else.

Kurt W. Anderson  
Director EH&S  
Monaco Coach Corporation  
574/862-7347

**SWD INTERNAL PERMITTING MEMORANDUM**

TO: Mara Grace Nasca  
District Air Program Administrator

THRU: Cindy Zhang-Torres, P.E. *CJ*  
Air Permitting Supervisor

FROM: Danny Stubbs *D.S.*  
Air Permitting Engineer

DATE: 01/06/2010

SUBJECT: Application for Transfer of Air Permit No: 1190038-003-AO  
Facility Name: Alliance Coach, Inc.

Day 30: 01/23/2010

On December 24, 2009 the Department received an "Application for Transfer of Air Permit" for Air Operation Permit 1190038-003-AO from the Monaco Coach Corporation to Alliance Coach, Inc. The "notification of sale or legal transfer" was completed by Mr. George L. Miller, Bankruptcy Trustee. The "Effective Date of Sale or Legal Transfer" occurred on September 18, 2009. In an email dated January 5, 2010, Cindy Zhang-Torres verified through OGC Attorney Jonathan Alden, that Mr. Miller has the authority to execute the transfer on behalf of Monaco Coach.

I recommend the transfer of ownership permit amendment be signed.

## Zhang-Torres

---

**From:** Alden, Jonathan  
**Sent:** Tuesday, January 05, 2010 2:16 PM  
**To:** Zhang-Torres  
**Subject:** RE: transfer of permit involving bankruptcy

Mr. Miller has authority to execute on behalf of the Debtor corporation

**MEGA, LEAD, CONVERTED, Asset**

**U.S. Bankruptcy Court  
District of Delaware (Delaware)  
Bankruptcy Petition #: 09-10750-KJC**

*Date filed:* 03/05/2009

*Date converted:* 06/30/2009

*Assigned to:* Kevin J. Carey  
Chapter 7  
Previous chapter 11  
Voluntary  
Asset

Show Associated Cases

***Debtor***

**Monaco Coach Corporation, et al.**  
91320 Coburg Industrial Way  
Coburg, OR 97408  
Tax ID / EIN: 35-1880244

***aka***

**Monaco Coach**

***aka***

**Monaco Division**

***aka***

**Holiday Rambler Division**

***aka***

**Holiday Rambler Motorized Division**

***aka***

**Holiday Rambler Towables Division**

***aka***

**Safari Division**

***aka***

**Beaver Division**

***aka***

**McKenzie Towables Division**

***aka***

represented by **Laura Davis Jones**

Pachulski Stang Ziehl & Jones  
LLP  
919 N. Market Street  
17th Floor  
Wilmington, DE 19899  
302-652-4100  
Fax : 302-652-4400  
Email: ljones@pszyj.com

**Laura Davis Jones**

Pachulski Stang Ziehl & Jones  
LLP  
919 N. Market Street  
17th Floor  
Wilmington, DE 19899-8705  
usa  
302 652-4100  
Fax : 302-652-4400  
Email: ljones@pszjlaw.com

**Timothy P. Cairns**

**McKenzie Division**

*aka*

**Roadmaster Chassis Division**

*aka*

**Nappanee Wood Products**

*aka*

**Holiday Graphics**

*aka*

**Salmon Acquisition, Inc.**

*aka*

**SMC Corporation**

*aka*

**Electronic Design and Assembly, Inc.**

*aka*

**Safari Motor Coaches, Inc.**

*aka*

**Beaver Motor Coaches, Inc.**

*aka*

**Magnum Manufacturing, Inc.**

*aka*

**Composite Technologies, Inc.**

*aka*

**Electronic Design and Assembly Division**

*aka*

**ED&A Division**

*aka*

**Royale Coach by Monaco, Inc.**

*aka*

**Harney County Operations, Inc.**

**Debtor**

**MCC (f.k.a. Monaco Coach Corporation), et al.**

**Trustee**

**George L. Miller**

Miller Coffey Tate LLP

8 Penn Center, Suite 950

1628 JFK Boulevard

Philadelphia, PA 19103

US

215-561-0950

Tax ID / EIN: 23-2539517

**U.S. Trustee**

**United States Trustee**

844 King Street, Room 2207

Lockbox #35

Wilmington, DE 19899-0035

Pachulski Stang Ziehl & Jones

LLP

919 N. Market St., 17th Floor

Wilmington, DE 19801

302-652-4100

Fax : 302-652-4400

Email: tcairns@pszjlaw.com

**Timothy P. Cairns**

Pachulski Stang Young & Jones

LLP

919 N. Market Street

17th Floor

Wilmington, DE 19801

302-652-4100

Fax : 302-652-4400

Email: tcairns@pszjlaw.com

represented by **Laura Davis Jones**

(See above for address)

**Timothy P. Cairns**

(See above for address)

represented by **John T. Carroll, III**

Cozen O'Connor

1201 North Market Street

Suite 1400

Wilmington, DE 19801

302-295-2028

Fax : 215-701-2140

Email: jcarroll@cozen.com

302-573-6491

***Creditor Committee***  
**Official Committee of Unsecured Creditors**

represented by **Dennis A. Meloro**  
Greenberg Traurig  
The Nemours Building  
1007 North Orange Street  
Suite 1200  
Wilmington, DE 19801  
302-661-7000  
Fax : 302-661-7360  
Email:  
bankruptcydel@gtlaw.com

**Diane E. Vuocolo**  
Greenberg Traurig, LLP  
2700 Two Commerce Square  
2001 Market Street  
Philadelphia, PA 19103  
215-988-7803  
Fax : 215-717-5230  
Email: vuocolod@gtlaw.com

**Donald J. Detweiler**  
Greenberg Traurig, LLP  
1007 North Orange Street  
The Nemours Building  
Wilmington, DE 19801  
usa  
302-661-7000  
Fax : 302-661-7360  
Email:  
bankruptcydel@gtlaw.com

**Kevin Finger**  
Greenberg Traurig, LLP  
77 West Wacker Drive  
Suite 3100  
Chicago, IL 60601  
312-456-8400  
Fax : 312-456-8435  
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**Monica Loftin Townsend**  
Greenberg Traurig, LLP  
The Nemours Building  
1007 North Orange Street  
Suite 1200  
Wilmington, DE 19801  
302-661-7000  
Fax : 302-661-7360  
Email: loftinm@gtlaw.com

**Sean Bezark**  
Greenberg Traurig, LLP  
77 West Wacker Drive  
Suite 3100  
Chicago, IL 60601  
312-456-8400  
Fax : 312-456-8435  
Email: bezarks@gtlaw.com

---

**From:** Zhang-Torres  
**Sent:** Tuesday, January 05, 2010 11:50 AM  
**To:** Alden, Jonathan  
**Cc:** Nasca, Mara; Stubbs, Danny  
**Subject:** tranfer of permit involving bankruptcy

Good morning, Jonathan,

Our district air program has received a request for Transfer of Air Permit. The new owner filled out the New Ownership section of the request. The Current Permittee section was NOT signed by the current permittee's authorized representative, but was signed by a bankruptcy trustee. The current permittee is Monaco Coach Corporation. The facility is located in Wildwood, Sumter County. According to the request, the new company took ownership effective 9/18/09. We have not dealt with this situation before. We need your advice us on whether we can transfer the air permit to the new owner without the current permittee's signature.

Thank you.

Cindy

Cindy Zhang-Torres, PE III  
Air Permitting Supervisor  
FDEP  
Southwest District  
13051 N. Telecom Parkway  
Temple Terrace, FL 33637-0926  
Telephone: (813)632-7600, ext. 107  
Fax: (813)632-7668

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Entity Name Search

No Events

No Name History

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## Detail by Entity Name

### Florida Profit Corporation

ALLIANCE COACH INC.

### Filing Information

**Document Number** P09000070354  
**FEI/EIN Number** NONE  
**Date Filed** 08/20/2009  
**State** FL  
**Status** ACTIVE  
**Effective Date** 08/13/2009

### Principal Address

4505 MONACO WAY  
WILDWOOD FL 34785

### Mailing Address

4505 MONACO WAY  
WILDWOOD FL 34785

### Registered Agent Name & Address

BARRIST, GLENN  
 5500 SOUTH FLAMINGO ROAD  
 203  
 COOPER CITY FL 33330 US

### Officer/Director Detail

#### Name & Address

Title P

SHAPIRO, ALAN  
 1280 JEWELL ROAD  
 JEWELL GA 31045

### Annual Reports

No Annual Reports Filed

### Document Images

08/20/2009 -- Domestic Profit [View image in PDF format](#)

Note: This is not official record. See documents if question or conflict.

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## Stubbs, Danny

---

**From:** Stubbs, Danny  
**Sent:** Thursday, September 17, 2009 7:51 AM  
**To:** Noor, Quaid; 'caroline.champion@alliancecoachonline.com'  
**Cc:** Zhang-Torres  
**Subject:** RE: Transfer of Emissions Permit

MONACO COACH CORP.  
1190038 (FACTORY JD)

Hello Caroline,

There is a standard Transfer of Ownership form on the Florida DEP Website. The form number is "DEP 62-210.900(7)" and can be accessed using the following Link:

Link: <http://www.dep.state.fl.us/air/rules/forms/transfer.htm>

If you have any trouble locating this information, please feel free to contact me.

Best Regards,

Danny Stubbs  
Engineering Specialist  
FDEP Southwest District  
813-632-7600 ext. 159

---

**From:** Noor, Quaid  
**Sent:** Wednesday, September 16, 2009 1:28 PM  
**To:** 'caroline.champion@alliancecoachonline.com'  
**Cc:** Stubbs, Danny  
**Subject:** RE: Transfer of Emmissions Permit

Caroline,

I am checking for a standard request letter form for transfer of ownership. Me or somebody from our office will be in touch with you in a day or two with the information.

Thank you,

Quaid

---

**From:** caroline.champion@alliancecoachonline.com [mailto:caroline.champion@alliancecoachonline.com]  
**Sent:** Wednesday, September 16, 2009 11:15 AM  
**To:** Noor, Quaid  
**Subject:** Transfer of Emmissions Permit

Quaid,

Thanks for your assistance this morning. Please forward the transfer form and contact information to my email address.

Caroline M. Champion  
Alliance Coach, Inc.



J. Michael Gardner  
Market Development Manager

September 10, 2008

Ms. Linda Bumbarger  
Monaco Coach  
Wildwood, Fl

Dear Ms. Bumbarger,

This letter is to certify that I, Mike Gardner –Fleet trainer for BASF Corporation, have personally trained and certified the people below. Certificates were issued at end of last training- Training days were Aug. 20<sup>th</sup> & 21<sup>st</sup>, 2007. . They will need to re-certify in July of 2008.

James Hoke  
Augustin Vieyra  
Christopher Rossi  
Dustin Kofahl  
Eric Baker  
Jose Perez  
Joshua Copen  
Larry Flood  
Michael Hartwig  
Patrick Conroy

Sincerely,

BASF Corporation  
Automotive Refinish

4923 S.E. 37<sup>th</sup> Ave.  
Ocala, Fl.  
34480  
352-895-1976  
352-867-7447  
gardnejm@basf.com

Mike Gardner

# *Monaco Certificate Training*

## **Paint Technician Training Class**

### **I. Basic Skills Level: (Classroom training 1 week – can be waived w/experience)**

#### **Stage I:**

- Day 1
- A. Safety & Respiratory Fit
  - B. Filter Training & Booth
  - C. Paint Gun Repair & Set-up Techniques

#### **Stage II:**

- Day 2
- A. Hands on Paint Gun Demonstartion
  - B. Hands on Spray Painting

#### **Stage III:**

- Day 3 through 7
- A. Hands on Spray – Using water for gun technique
  - B. Hands on Spray – Using Basecoat on wall panels
  - C. Repair of Basecoat
  - D. Masking

#### **Stage IV:**

- Day 8
- A. Product Knowledge Class

### **II. Intermediate Level (3 months – 6 months)**

#### **Stage V:**

- A. Join work force at Monaco for hands on training of peer group.
- B. Overseen by Industrial Finishes Tech trainers. Check in every week.

#### **Stage VI: Certification Class – 1 Day**

- A. Refresher on Stage 1, 2 & 4
- B. Work through Certification booklet
- C. Take Certification test

### **III. Advanced Level (10 hours)**

**Stage VI: Finish Product repairs**

**Stage VII: Advanced Product Knowledge**

**Stage VIII: Advanced Spray Techniques**

**Stage IX: Clearcoat Repair**

**Stage X: Certification Test**

**Stage XI: Demonstration Test**

**Stage XII: Achieve BASF Certified Fleet Technician**

# A GUIDE FOR REDUCING AIR POLLUTION FROM SPRAY COATING OPERATIONS

## *Save Money and Prevent Air Pollution*

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This guide is designed to help you understand and comply with regulations for spray coating. See how you can save money, improve working conditions, comply with regulations, avoid penalties, keep customers and neighbors satisfied, and reduce air pollution.

### Why Reduce Air Pollution?

Air pollutants such as carbon monoxide, ozone, and fine particles increase health care costs, cause property damage, and reduce visibility.

### VOCs Produce Ozone

Organic solvents, known as Volatile Organic Compounds (VOCs), chemically react in Arizona's bright, hot weather to produce ozone. VOCs are used in paints, thinners, strippers, and cleaners. Reducing the amount of VOCs in coatings will reduce your disposal costs.

### What damage is caused by ozone?

Ozone, a corrosive, attacks your lungs, throat, and eyes; it causes damage to crops and materials including painted surfaces.

### Where is the VOC in Coatings?

Coatings consist of solids and solvents (VOCs, water, and exempt compounds). Solvents act as the carrier for the solids and evaporate into the air before, during, and after application. VOC amounts in coatings are limited by Maricopa County regulations to reduce ozone formation and improve air quality.

### Know the VOC Content of Your Coatings

The VOC content of coatings is usually printed on the exterior of the can by the manufacturer. This convenient reference enables you to operate in compliance with the County regulations. If VOC content is not on the label ask your supplier for a specific action sheet, which lists the VOC content.

## Thinning a Coating Increases VOCs

When you thin or reduce a coating with a VOC, you create a product, which may no longer comply with County VOC limits. Thinning with water and exempt compounds does not affect VOC content.

## Know VOC Limits

Maricopa County regulations contain specific VOC limits for different coating applications. Obtain a copy of the coating VOC limits for your process. Post mixing instructions to stay at or below the correct VOC content for your coating applications.

## Lower Limits for Oven Dried Coatings

Maricopa County regulations require lower VOC limits for coatings dried in ovens when the temperature exceeds 200 degrees Fahrenheit. The content is lower because VOCs exposed to high temperatures may become highly reactive and form ozone quicker. Ensure that your oven temperature controls are accurately maintained.

## Choose and Use Complying Coatings

Many complying coatings are available to meet the specific VOC requirements for your operation. Technology continues to develop innovative coatings and coating systems to meet County VOC limits. It is important that you maintain contact with many manufacturers of coatings and application equipment to make sure you have the best system for your operation. Improved coating quality, lower quantities of coatings purchased, and reduced waste disposal costs save you money.

## What Coating Systems Are Out There?

- **Water Borne** - Water is the major solvent and includes water reducible and emulsions. These coatings usually include small amounts of VOC as co-solvents.
- **High Solids** -Coatings that contain greater than normal resin and pigment content (70-80% by volume).
- **Powder** - Dry finely ground coating, which is heated to its melting point so that powder can flow together.
- **SPO UV Curable Coating** - Liquid resin and pigment which uses UV light to cure the coating.
- **Exempt Solvent Based** - Coatings that contain exempt solvents, primarily

1,1,1 trichloroethane (TCA). These solvents usually include VOCs as stabilizers and co-solvents.

- **Catalyzed Coatings** - Two or three component coatings that are mixed together prior to application.
- **Electrodeposition** - Dip coating process where water borne coatings are electrically "plated-out".
- **Autodeposition** - Dipcoat plating process without electrical charge.

Other coating systems may be available and all systems have advantages and disadvantages. Be sure to consider worker safety, respiratory protection, waste disposal, surface and equipment compatibility, fire safety requirements, odor releases, and emissions of potentially toxic materials when deciding on a coating system. Contact your supplier for additional information.

### But My Coatings are Non-Photochemically Reactive

When coatings are exempt from the requirements of specific applications contained in coating regulations, they still must comply with the requirements of Maricopa County's general VOC regulation. General solvent provisions allow limited amounts of highly reactive solvents to be in the coating. These highly reactive solvents, which include ethylbenzene and toluene, are called photochemically reactive because they contribute to the extremely rapid formation of ozone in the air. Obtain a copy of Maricopa County general VOC regulations (Rule 330) and make sure you do not exceed the daily limits.

### Maintain Your Spray Booth Filters

It is important to maintain your booth to ensure that your operation does not cause property damage. Paint overspray can travel through ineffective filters and damage the finish of automobiles and structures near your operation. Always make sure that the filters are installed properly and cover all openings. If your set-up requires dual filters, make sure both are in place.

### Check Filter Pressure Gauge

A manometer is used to determine the pressure drop across the spray booth filters. As the filter's pores become clogged, the pressure drop increases. Check your manometer frequently for accuracy and maintain its fluid level.

### Keep Your Curtain Wet

Waterwash booths should provide a continuous sheet of water down the face of the rear booth panel. If the booth does not provide a continuous sheet of water, i.e. if dry spots appear, the water spray lines should be checked for clogged

openings. Be sure to check and maintain the chemicals and additives in the water.

### Buy Less Paint - Increase Your Transfer Efficiency

Save money by increasing the percentage of paint solids deposited on the surface of your product. A 30% transfer efficiency means 70% of paint solids are on the floor, booth walls, and exhaust filters. When you get more paint to stay on the product, you buy less paint, save money, and prevent pollution.

### Wasting Paint Is a Waste of Money

Low transfer efficiency wastes paint that you have paid for. Low transfer efficiency increases your booth filter purchases, increases your booth cleaning expenses, and increases your waste disposal costs. Train painters to maximize transfer efficiency, thereby saving money and preventing pollution.

### How Can I Increase Transfer Efficiency? Use:

- **Electrostatic Spraying** - Paint droplets are given an electrical surface charge which attract them to the grounded product. This attraction achieves a "wrap-around" effect where paint lands on the backside of the object.
- **High-Volume Low Pressure** - High volumes of low-pressure air atomizes paint through larger air holes. Low pressure reduces turbulence and bounce-back.
- **Flowcoating** - Paint flows over conveyORIZED products. Coating is collected and recirculated.
- **Rollercoating** - Coating is applied by a mechanical series of rollers from a paint trough to a flat surface.
- **Dipcoating** - Parts are immersed into a tank of coating followed by drainage of excess coating back into the tank.
- **Brushcoating** - Coating is manually applied with brushes or rollers.

Following these steps will also increase transfer efficiency - Minimize airflow through booth; eliminate cross drafts; reduce air pressure in gun; and allow dipped parts to drain completely.

Contact your equipment supplier to obtain more information on how to improve transfer efficiency.

### Store Your Solvents, Coatings, and Wastes Properly

Seal all containers of coatings and solvents tightly. Cans and drums must be



equipped with tight fitting lids and shall remain closed to prevent evaporation. Store waste solvents in tightly sealed containers. All solvent-laden rags and cloths, including those used to clean parts and spray equipment, must be stored in closed fireproof containers.

### **Clean Equipment Properly!**

VOCs from your facility is reduced significantly by cleaning spray guns and equipment properly. Never clean lines by spraying VOCs into the air or into filters. Purging lines in this manner wastes clean-up solvent and is in violation of County regulations. Always direct the clean up solvents, using minimal pressure, into containers or soak spray guns in closed containers. County regulations require all VOC containers to be tightly sealed when not in use. Always try to avoid the use of VOCs for clean up.

### **Follow Mixing Directions Carefully!**

Coatings often require mixing with a thinner or catalyst. Always mix according to the manufacturer's instructions. Otherwise the coating may not adhere correctly, produce the desired finish, meet performance specifications, or comply with County air pollution control regulations.

### **Keep Records Accurate and Current**

County regulations require detailed records of coatings, reducers, and clean-up materials containing VOCs. Recordkeeping has several advantages including tracking production expenses which may enable you to cut costs. In addition, penalties for violations are based upon the number of days you were out of compliance. It is to your benefit that accurate records clearly show a mistake was made on only one day.

### **Caution: Read Between the Lines**

Never accept a contract, which requires that you use coatings that do not comply with County requirements. You are liable for each day that non-complying coatings are used.

### **Violations Cost You Money!**

Air pollution regulations are law. Penalties can be \$10,000 per day for each violation. Make sure your employees are properly trained to operate coating equipment in compliance with County regulations.

### **Properly Display Your Permit**

County regulations require a "Permit to Operate" be posted in an accessible location. Remember that permits contain conditions which operators must meet. Make sure operators understand all permit requirements, even if this entails translating into another language.

**Where Can I Get More Help?**

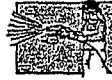
For additional information contact:

- Environmental Services Department  
Small Business Environmental Assistance Program (SBEAP)  
(606) 257-1131
  - Coating, Fabricating, and Finishing Associations
  - Manufacturer's Technical Sales Representative
  - Federation of Societies for Coatings Technology
  - National Paint and Coatings Association, Inc.
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# MONACO COACH CORPORATION

## SPRAY OPERATOR TRAINING PROGRAM SECTION: SPRAY TECHNIQUES, GUN SETUP, GUN CLEANING & SPRAY GUN EVALUATION

Assistance and Some Slide Graphics provided by Indiana's Clean  
Manufacturing Technology Institute



### General Goals



- Reduce material usage by
  - Increasing Transfer Efficiency
  - Reducing Material Waste
  - Reduce Environmental & Employee Exposure
- Improve Technique & Setup
  - Good Technique & Setup can save time!
  - Good Technique & Setup can save money
- Reduce Waste
  - Paint waste is typically hazardous
  - Waste often effects operations and clogs filters



### Section Overview

- Discuss and Review Gun Setup
- Discuss and Review Gun Settings
- Review Spray Patterns
- Spray Technique Factors
- Areas Controlled and Uncontrolled by the Painter
- Gun Cleaning



### Improving your Skill:

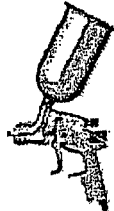


- Benefits of good job skills:
  - May increase your bonus!
  - Keeps you employed and the company profitable
  - Reduces potential exposure to toxic chemicals
  - Reduces Environmental Exposure
  - Improves Quality and Consistency
  - Help you be proud of your skill and work



### Improving your Skill Can:

- Improved transfer efficiency
  - Reduces material usage
    - Reduced cost
    - Reduced air emissions
    - Reduced booth maintenance
- Improve coating quality and consistency
  - Reduced rework
    - Reduced material usage
      - Reduced cost
      - Reduced air emissions
      - Reduced booth maintenance



### How Much Money Potentially Saved?



- A typical paint job costs
  - \$XXXX to \$XXXXX material full body
  - \$XXXX to \$XXXXX material partial body
- Improved technique can save (10% savings)
  - \$XXX to \$XXX dollars per unit
  - Over a year that could add up to \$XXXX
- If we counted your time it could be another \$XXXXX
  - That means reduce overtime
  - More Units Sold
  - Less time on repairs



### Transfer Efficiency is the Name of the Game

#### Variables that Can Affect Transfer Efficiency:

- Physical properties of the material being sprayed
- Type of application equipment
- Temperature & humidity
- Booth air flow
- Size and geometry of part
- Fluid tip & air cap size
- Fluid pressure setting
- Air pressure setting
- Fan setting
- Operator technique



### Transfer Efficiency is the Name of the Game

#### Variables that You can control :

- Fluid tip & air cap size
- Fluid pressure setting
- Air pressure setting
- Fan setting
- Technique
  - ↳ Lead & lag distances
  - ↳ Gun speed
  - ↳ Spray distance
  - ↳ Gun angle
  - ↳ Overlap



### Air Spray Gun Set-Up

1. Acquaint yourself with the gun and the operating manual
2. Choose the tip that is most appropriate for the job
3. Begin with the lowest air pressure and fluid setting possible
4. Slowly adjust the fluid and air pressure settings until you achieve a fully developed pattern
5. Once the pattern is developed do not increase the settings any further

### Airspray Gun Setup

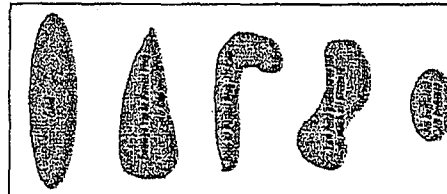
- Air pressure settings
  - use the lowest air pressure setting while still achieving adequate atomization
    - remember, the higher the air pressure, the smaller the droplets
- Fluid setting
  - use the lowest fluid setting possible
- Pattern size
  - match the pattern size with part geometry
    - remember, the larger the fan the greater the droplet distribution

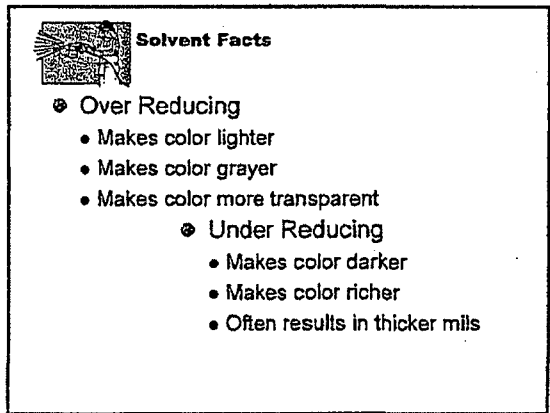
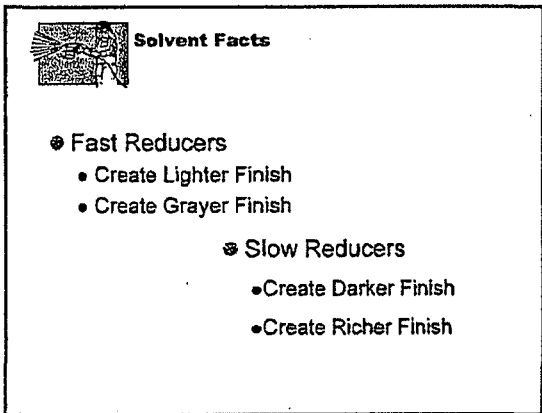
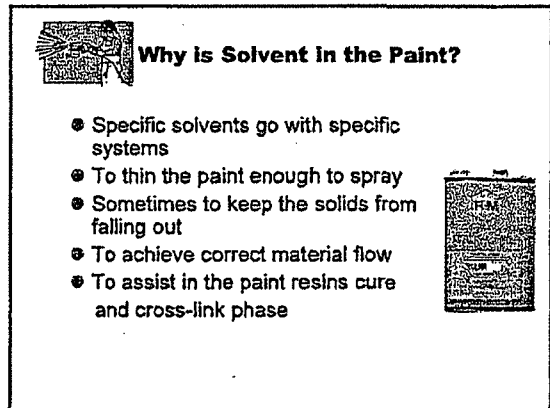
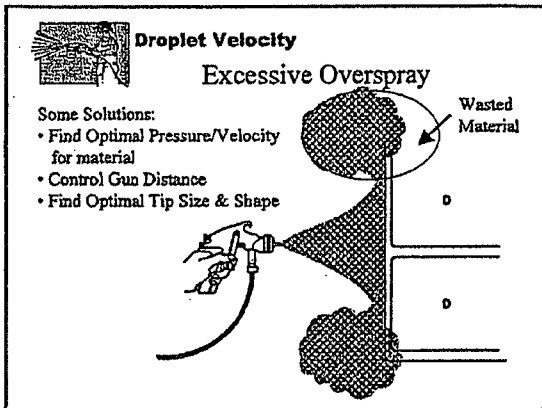
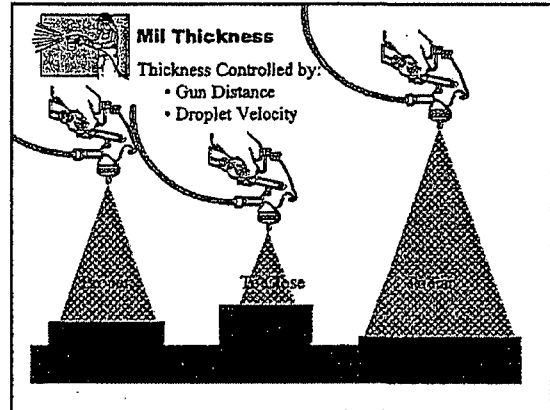
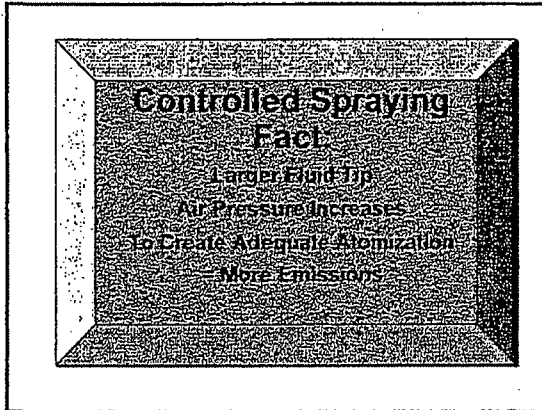


### Air Spray Gun Set-Up

- Note – Many of Monaco's Air permits require HVLP guns. To use an HVLP gun and meet the permit you must follow the manufacturers directions and not exceed the Pressure settings (Limited to 10 PSI at the tip).  
In practice this means that you may have to use different tips or fluid settings to achieve the optimum pattern.

### H.V.L.P. Trouble Shooting





**Solvents and Quality**  
**In-Flight Solvent Loss**

**To Close**

- Too much Solvent with Paint
- Pin Holes
- Solvent pop

**To Far**

- Not Enough Solvent with paint
- Orange Peel
- Dry Spray

**Correct Distance**

- Good Quality

**No Rework**      **Rework Needed!**      **Rework Needed!**

**Proper Gun Angle**

**Improper Gun Angle**

**Proper Gun Angle**

Perpendicular as much as possible!

**Even Mills!**

**Spraying Internal Corners**


**Spraying External Corners**

**Improper Gun Angle**

A gun angled 10° from perpendicular will decrease T.E. by as much as 8%

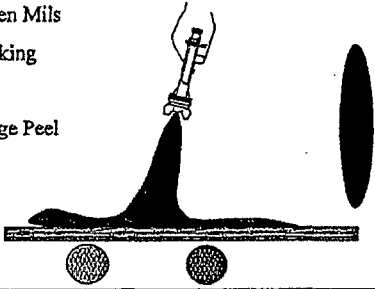
**Too Light**      **Less Mills**


**Too Dark**      **More Mills**

 **Improper Gun Angle**

Poor gun angle will result in an inconsistent finish.


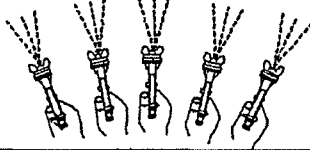
- Uneven Mills
- Streaking
- Sags
- Orange Peel




 **Do Not Arc The Gun!**


Arching Does not speed up the job!  
You actually work harder and get more tired

Causes:

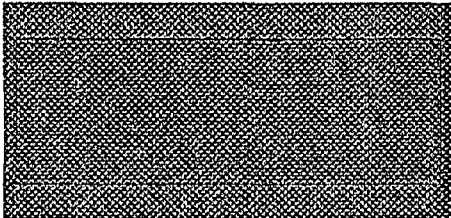




 **Overlap is important**

- Too little or too much causes uneven Mills
  - 50% overlap is optimum
  - If 75% overlap is used
    - The same spot is sprayed 3 times
    - You get tired
    - The job is done slower

 **Overlap is important**

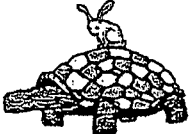
**50% Overlap On the Wet Edge**




 **Effects of Gun Speed**

- Gun to Fast
  - Increased Overspray
  - Coating Too Thin
  - Lighter/Grayer Color
  - You become more tired
- Gun to Slow
  - Runs and Sags
  - Darker/Richer Color
  - Repairs Likely

*Speedy Gonzales:*  
**BANNED**  
in the USA



 **Spray Facts**

- Higher air pressure
  - Makes color lighter
  - Make color grayer
- Lower air pressure
  - Makes Color Darker
  - Makes Color Richer
- Wider Spray Pattern
  - Makes color lighter
  - Make color grayer
  - Results in Drier material
- Narrow Spray Pattern
  - Makes Color Darker
  - Makes Color Richer
  - Creates Runs and Sags



### Spray Facts

- Large Fluid Tips
  - Make colors darker
  - Make colors richer
  
- Small Fluid Tips
  - Make Colors Lighter
  - Make Colors Grayer

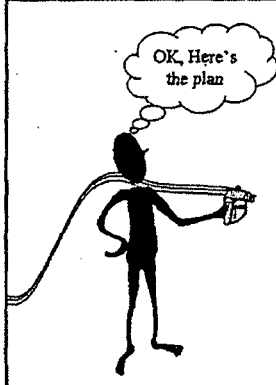


### Training is effective!

- During the first year of the IOWA STAR Program,
  - 30 technicians trained
  - The average increase in transfer efficiencies was 25%
  - VOC emissions were reduced by an average of 31%



(Tapani & Bauer 1996)



OK, Here's the plan

**Always  
THINK  
Before  
You  
Spray !**



### Think before you spray

- Is the pressure ok?
  - There is an optimum hiding pressure
  - There is an optimum blending pressure
- Is the gun and tip the right size?
- Is the reducer right for the temperature?
- Is the spray distance correct?
- Where could dirt come from?
- Where will overspray go?
- Spray perpendicular as much as possible
- Ensure material is well mixed



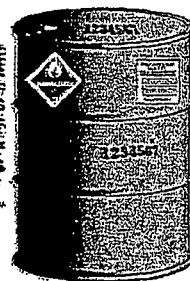
### Gun Cleaning Procedure

The job isn't done until things are clean

- Do:
  - Make sure a label is on the waste drum
    - Hazardous Waste Sticker
    - Flammable Sticker
    - Old marking painted over or removed
  - Make sure the drum is in Good Shape!
  - Close the funnel lid when finished
  - Check the Drum Level before filling
    - Leave 20% space for expansion



### Gun Cleaning Procedure







### Gun Cleaning Procedure



- Don't
  - Spray out on floor or other surface
  - Spray into filters
  - Leave containers open when not using
  - Have use sloppy practices
    - Like *Overfilling Drums*
    - Using Pig Mats as an intentional place to spill



### Evaluations

- After this session two evaluations will occur.
  - The first will be a short quiz over the topics discussed
  - The second will be a skills evaluation by a supervisor or team lead
    - The evaluation is meant to be an unbiased tool to help you work on your skill
    - The evaluation looks at gun setup, gun speed, angles, etc.



### Evaluations

- Evaluates
 

• Fluid Setting	•Overlap
• Air Pressure Setting	•Work Flow
• Fan Setting	•Triggering
• Body Position	•Arching
• Gun Angles	•Gun Cleaning
• Gun Distance	•Criteria determined for your shop
• Gun Speed	



### Painting Quiz

1. What is one thing that occurs from spraying to far away?
  1. Not enough Solvent is left in the paint for the curing phase
  2. To much Solvent is left in the paint for the curing phase
  3. The coating is darker and richer
2. What are some defects that occur from gun arching?
  1. Arching causes multiple defects
  2. Orange Peel
  3. Dry Spray
  4. All of the above



### Painting Quiz

3. It is illegal to spray waste paint into filters and the open air?
  - True
  - False
4. When cleaning a gun one should always?
  1. Use an absorbent mat to get rid of material
  2. Dispose of the material in a designated container and close the lid afterward
  3. Spray the material into a filter
  4. All of the above



### Painting Quiz

5. What happens when you spray to fast?
  1. You are more tired by the end of the day
  2. You have to go over the same area more times
  3. You increase overspray
  4. All of the above
6. If the gun is set to a higher pressure setting.
  1. The more volatile emissions to the environment
  2. The faster you can paint
  3. The quality of the job will be better
  4. All of the above



### Painting Quiz

7. What happens if you spray to close to the part?
1. You are more tired by the end of the day
  2. You have to go over the same area more times
  3. Solvent Pop and Pinholes are more likely
  4. You won't achieve enough mils
8. Solvents serve all of the below purposes except
1. To thin the paint enough to spray
  2. To keep the solids from falling out
  3. To achieve Correct flow
  4. To decrease cure time



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## Spray Gun Evaluation Guide

### Spray Guns:

Situation	Cause	
Bad Spray Pattern	Air passages in air cap clogged with dry paint	_____
	Nozzle orifice partially clogged	_____
	Bent fluid needle	_____

### Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Moisture in or on surface	_____
	Wrong Solvent	_____
	Incorrect flash times	_____
		_____
<b>Blistering</b>	Incompatible films	_____
	Substrate surface too cold	_____
		_____

### Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Air contamination	_____
		_____
		_____
		_____
<b>Fisheyes</b>	Silicone contamination from lubricants, greases, or waxes	_____
		_____

### Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Too much pressure	_____
		_____
		_____
<b>Heavy in the Middle Fan Pattern</b>	Not enough atomizing pressure	_____
		_____

### Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Worn or Loose Packing	_____
		_____
		_____
<b>Intermittent or Pulsating Spray Pattern</b>	Low fluid in gun cup	_____
		_____

### Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Restriction in paint line	_____
		_____
		_____
<b>Insufficient Fluid Flow</b>	Hose is blocked	_____
	Fluid nozzle too small	_____
	Low fluid pressure	_____
		_____

### Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Dirt & Dust under Surface	_____
		_____
		_____
<b>Dirty, Course Surface</b>	Material is contaminated	_____
		_____

## Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Coating too thin	_____
	Very wet coats applied	_____
Mottled Looking Surface	Improper Spray Technique	_____
		_____
		_____

## Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Dried paint in fluid nozzle	_____
No Paint Flow	Loss of air pressure	_____
	Loss of fluid pressure	_____
	Dried paint in air passage	_____
	Restriction in material hose	_____
	Clogged valve	_____

## Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Paint drying too fast	_____
Orange Peel	Gun distance too far from surface	_____
	Viscosity of paint too heavy	_____

## Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Gun distance too far substrate	_____
Excessive Overspray	Too much atomizing air for coating being sprayed	_____
		_____

**Note:** HVLP Requirements

## Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Trapped solvents/excessive film builds	_____
Pin-holing/ Solvent Pop	Improper solvent used	_____
	System contaminated	_____

## Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Incorrect size needle	_____
	Damaged or worn needle	_____
Paint Leak	Loose fluid nozzle	_____
	Worn or loose packing nut	_____
	Needle not closing	_____



## *Painting Technique*

1. The optimum gun angle for spraying parts is:
  - a. Perpendicular to the Part
  - b. A 10° angle from Perpendicular
  - c. A continuously sweeping angle
2. All of the following can be controlled by the painter except:
  - a. Gun Angle
  - b. Gun Maintenance
  - c. Humidity
  - d. Gun Speed
3. What happens if the gun is too close to the part?
  - a. "Blow Back" and excessive overspray
  - b. Run and Sags
  - c. Solvent Pop
  - d. All of the above
4. What happens if the gun is too far from the part?
  - a. Excessive overspray
  - b. Orange Peel
  - c. Both A & B
  - d. Too many mils put on the part
5. What is the optimum paint overlap?
  - a. 50% overlap
  - b. 75% overlap
  - c. 10% overlap
6. Gun Arching is an acceptable painting technique
  - a. True
  - b. False
7. What happens when you spray too fast?
  - a. You have to go over the same area more times to achieve proper coverage.
  - b. You increase overspray.
  - c. You are more tired at the end of the day.
  - d. All of the above
8. What are some of the defects that occur from gun arching?
  - a. Orange Peel
  - b. Dry Spray
  - c. Even mil thickness
  - d. Both A & B
9. Does a 10° angle from Perpendicular increase overspray versus a perpendicular angle?
  - a. Yes
  - b. No
10. Triggering the gun long before getting to the part does not increase waste.
  - a. True
  - b. False

When you have completed this quiz, turn it in to your supervisor.

Name: \_\_\_\_\_ Date: \_\_\_\_\_  
(Sign) (Print)

**Monaco Coach Corporation  
Spray Equipment Operator Performance Evaluation**

Employee Name: \_\_\_\_\_ Location: \_\_\_\_\_

<i>Parameter</i>	<i>Performance Rating</i>	
	Unsatisfactory	Satisfactory
Fluid Setting		
Air Pressure Setting		
Fan Setting		
Body Position		
Gun Angle		
Gun Distance		
Gun Speed		
Overlap		
Spray Sequence (work flow)		
Triggering		
Proper Material Storage		
Proper Equipment Storage		
Gun Cleaning Procedure		
Comments:		

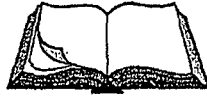
Employee named above demonstrated satisfactory skills in all spray techniques:

Yes: \_\_\_\_ No: \_\_\_\_

If "No" re-evaluation is required in two weeks for that specific parameter.

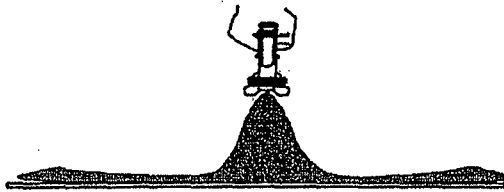
Supervisor/Team Lead: \_\_\_\_\_ Date: \_\_\_\_\_

Completed form should be filed with the EH&S Department



## *Painting Technique*

- **As a painter you can control :**
  - a. Technique
  - b. Air and Fluid Pressure Settings
  - c. Air Cap Size – Spray Pattern
- **With Spray Technique you can control**
  - a. Lead and Lag Distance
  - b. Gun Speed
  - c. Gun Distance
  - d. Gun Angle
  - e. Overlap
- **Lead and Lag Distance**
  - Many painters begin spraying long before getting to the part. This technique use to be critical to achieve adequate quality. This is no longer the case with today's newer guns
  - Increased paint usage can be attributed to excessive lead or lag
- **Overlap**
  - 50% Overlap is optimal
  - 75% Overlap creates uneven thickness, and the same spot is covered three times
  - Less than 50% overlap means uneven thickness
- **Gun Angle**
  - Always move around the part to maintain a relatively perpendicular gun angle
  - Gun Arching to paint a part is a large contributor to uneven mils and poor quality
  - A 10° angle equates to 8% more paint overspray



Correct Angle of Perpendicular



Improper Angle – Note the thickness difference from left to right

# Review

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- Not good for the equipment.
- All of the above.

Filters must be replaced on a regular basis:

- True
- False

What should be done about unusual fan noises?

- Keep operating as usual.
- Blow off the fan with compressed air.
- Inform your Supervisor & contact Maintenance.

Visual Emissions observed from a stack should be first investigated by:

- Inspecting the filters.
- Calling maintenance.
- Maybe.

Visual Emissions observed from a stack must immediately be investigated & curtailed:

- True
- False

Atmosphere in booth is hazy. You should:

- Operate without a filter.
- Blow out the filters with compressed air.
- Replace filters & install without gaps.

Name Michael Hartney

Position Painter

Date 9/10/09

### MONACO COACH CORPORATION

Coburg Contact:

Steve Stuckmeyer  
Environmental Coordinator  
Plant 10, Ext. 8255

Indiana Contact:

Don Taylor  
Environmental Coordinator  
Plant 1, Ext 7445



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Name TERRY D MILLER

Position PAINT

Date 9-10-08

### MONACO COACH CORPORATION

Coburg Contact:

Steve Stuckmeyer  
Environmental Coordinator  
Plant 10, Ext. 8255

Indiana Contact:

Don Taylor  
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- Replace filters & install without gaps.

Name

JOSE E. PEREZ

Position

05-10-08

Date

### MONACO COACH CORPORATION

Coburg Contact:

Steve Stuckmeyer  
Environmental Coordinator  
Plant 10, Ext. 8255

Indiana Contact:

Don Taylor  
Environmental Coordinator  
Plant 1, Ext 7445

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Justin Roll  
Name

Painter  
Position

9-10-06  
Date

### MONACO COACH CORPORATION

Coburg Contact:

Steve Stuckmeyer  
Environmental Coordinator  
Plant 10, Ext. 8255

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Chris Rossi  
Name

Painter  
Position

9/10/03  
Date

### MONACO COACH CORPORATION

Coburg Contact:

Steve Stuckmeyer  
Environmental Coordinator  
Plant 10, Ext. 8255

Indiana Contact:

Don Taylor  
Environmental Coordinator  
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Name James R Hoke

Position Paint Shop Foreman

Date 9-10-08

### MONACO COACH CORPORATION

Coburg Contact:  
 Steve Stuckmeyer  
 Environmental Coordinator  
 Plant 10, Ext. 8255

Indiana Contact:  
 Don Taylor  
 Environmental Coordinator  
 Plant 1, Ext 7445

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JOSH COPEN  
 Name

PAINTER  
 Position

9-10-08  
 Date

## MONACO COACH CORPORATION

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 Environmental Coordinator  
 Plant 10, Ext. 8255

Indiana Contact:

Don Taylor  
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DAVID CAIN  
Name

PAINTER  
Position

9/14/08  
Date

### MONACO COACH CORPORATION

Coburg Contact:

Steve Stuckmeyer  
Environmental Coordinator  
Plant 10, Ext. 8255

Indiana Contact:

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ERIC BAKER  
Name

PAINTER  
Position

9-10-08  
Date

### MONACO COACH CORPORATION

Coburg Contact:

Steve Stuckmeyer  
Environmental Coordinator  
Plant 10, Ext. 8255

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- Replace filters & install without gaps.

LARRY FLOOD  
Name

PAINTER  
Position

9-10-08  
Date

### MONACO COACH CORPORATION

Coburg Contact:

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Environmental Coordinator  
Plant 10, Ext. 8255

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Agustin Enriquez Vieyra  
Name

Painter  
Position

9-10-08  
Date

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Environmental Coordinator  
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Name Dennis Lindewirth II

Position Painter

Date 9-10-08

### MONACO COACH CORPORATION

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Environmental Coordinator  
Plant 10, Ext. 8255

Indiana Contact:

Don Taylor  
Environmental Coordinator  
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Pat Conroy  
 Name  
Paint Tech  
 Position

9/10/08  
 Date

### MONACO COACH CORPORATION

Coburg Contact:

Steve Stuckmayer  
Environmental Coordinator  
Plant 10, Ext. 8255

Indiana Contact:

Don Taylor  
Environmental Coordinator  
Plant 1, Ext 7445

# MONACO COACH CORPORATION

## SPRAY OPERATOR TRAINING PROGRAM SECTION: SPRAY TECHNIQUES, GUN SETUP, GUN CLEANING & SPRAY GUN EVALUATION

LAST REVISED 6/27/07  
Assistance and Some Slide Graphics provided by Indiana's Clean  
Manufacturing Technology Institute



**CMTI**



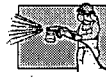
### General Goals

- Reduce material usage by
  - Increasing Transfer Efficiency
  - Reducing Material Waste
- Improve Technique & Setup
  - Good Technique & Setup can save time!
  - Good Technique & Setup can save money
- Reduce Waste
  - Paint waste is typically hazardous
  - Waste often effects operations and clogs filters
- Reduce Environmental & Employee Exposure



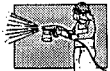
### Section Overview

- Discuss and Review Gun Setup
- Discuss and Review Gun Settings
- Review Spray Patterns
- Spray Technique Factors
- Areas Controlled and Uncontrolled by the Painter
- Gun Cleaning



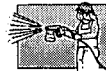
### Improving your Skill:

- Benefits of good job skills:
  - May increase your bonus!
  - Improves your standing within the company
  - Keeps the company profitable
  - Reduces potential exposure to toxic chemicals
  - Reduces Environmental Exposure
  - Improves Quality and Consistency
  - Help you be proud of your skill and work



### Improving your Skill Can:

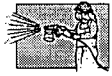
- Improved transfer efficiency
  - Reduces material usage
    - Reduced cost
    - Reduced air emissions
    - Reduced booth maintenance
- Improve coating quality and consistency
  - Reduced rework
    - Reduced material usage
      - Reduced cost
      - Reduced air emissions
      - Reduced booth maintenance



### How Much Money Potentially Saved?

- A typical paint job costs
  - \$XXXX to \$XXXXX material full body
  - \$XXXX to \$XXXXX material partial body
- Improved technique can save (10% savings)
  - \$XXX to \$XXX dollars per unit
  - Over a year that could add up to \$XXXX
- If we counted your time it could be another \$XXXXX
  - That means reduced overtime = Improved Bonus
  - More Units Sold
  - Less time on repairs

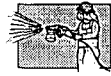




### Transfer Efficiency is the Name of the Game

#### Variables that Can Affect Transfer Efficiency:

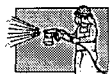
- Physical properties of the material being sprayed
- Type of application equipment
- Temperature & humidity
- Booth air flow
- Size and geometry of part
- Fluid tip & air cap size
- Fluid pressure setting
- Air pressure setting
- Fan setting
- Operator technique



### Transfer Efficiency is the Name of the Game

#### Variables that You can control :

- Fluid tip & air cap size
- Fluid pressure setting
- Air pressure setting
- Fan setting
  - ✓Lead & lag distances
  - ✓Gun speed
  - ✓Spray distance
  - ✓Gun angle
  - ✓Overlap
- Technique

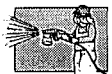


### Air Spray Gun Set-Up

1. Acquaint yourself with the gun and the operating manual
2. Choose the tip that is most appropriate for the job
3. Begin with the lowest air pressure and fluid setting possible
4. Slowly adjust the fluid and air pressure settings until you achieve a fully developed pattern
5. Once the pattern is developed do not increase the settings any further

### Airspray Gun Setup

- Air pressure settings
  - use the lowest air pressure setting while still achieving adequate atomization
    - remember, the higher the air pressure, the smaller the droplets
- Fluid setting
  - use the lowest fluid setting possible
- Pattern size
  - match the pattern size with part geometry
    - remember, the larger the fan the greater the droplet distribution



### Air Spray Gun Set-Up

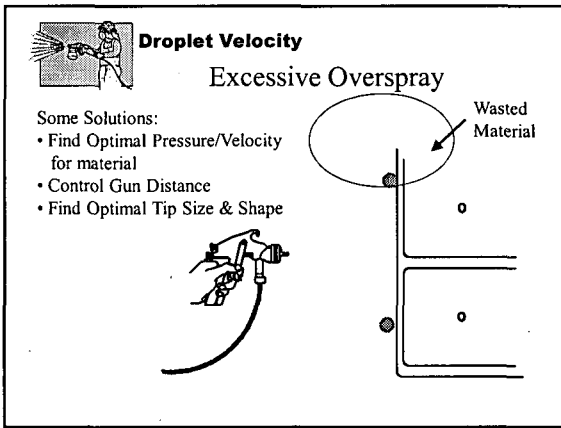
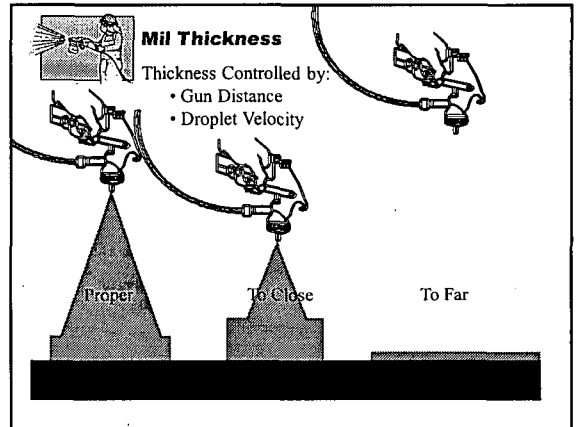
- Note – Many of Monaco's Air permits require HVLP guns. To use an HVLP gun and meet the permit you must follow the manufacturers directions and not exceed the Pressure settings (Limited to 10 PSI at the tip).

In practice this means that you may have to use different tips or fluid settings to achieve the optimum pattern.

### H.V.L.P. Trouble Shooting



**Controlled Spraying Fact:**  
 Larger Fluid Tips &  
 Air Pressure Increases  
 to Create Adequate Atomization  
 = More Emissions



**Why is Solvent in the Paint?**

- Specific solvents go with specific systems
- To thin the paint enough to spray
- Sometimes to keep the solids from falling out
- To achieve correct material flow
- To assist in the paint resins cure and cross-link phase

**Solvent Facts**

- Fast Reducers
  - Create Lighter Finish
  - Create Grayer Finish
- Slow Reducers
  - Create Darker Finish
  - Create Richer Finish

**Solvent Facts**

- Over Reducing
  - Makes color lighter
  - Makes color grayer
  - Makes color more transparent
- Under Reducing
  - Makes color darker
  - Makes color richer
  - Often results in thicker mils

**Solvents and Quality**  
In-Flight Solvent Loss

**To Close**

- To much Solvent with Paint
- Pin Holes
- Solvent pop

**To Far**

- Not Enough Solvent with paint
- Orange Peel
- Dry Spray

**Correct Distance**

- Good Quality

No Rework    Rework Needed    Rework Needed

**Proper Gun Angle**

**Improper Gun Angle**

**Proper Gun Angle**

Perpendicular as much as possible!

Even Mills!

**Spraying Internal Corners**

Spray Into Corners At a 45° Angle

**Spraying External Corners**


Spray Onto Corners At a 45° Angle

**Improper Gun Angle**

A gun angled 10° from perpendicular will decrease T.E. by as much as 8%

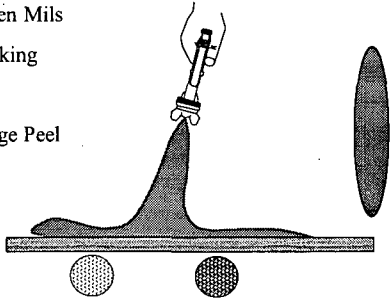
Too Light  
Less Mills  
Too Dark  
More Mills

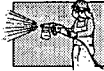


 **Improper Gun Angle**

Poor gun angle will result in an inconsistent finish.

- Uneven Mills
- Streaking
- Sags
- Orange Peel

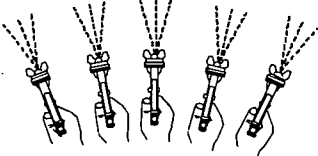


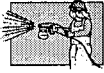
 **Do Not Arc The Gun!**

Arching Does not speed up the job!  
You actually work harder and get more tired

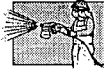
Causes:

- Dry Spray
- Poor Mills
- All Sorts of Problems

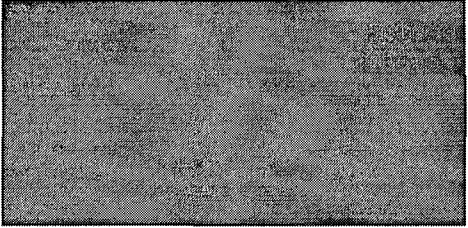


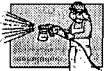
 **Overlap is important**

- Too little or too much causes uneven Mills
  - 50% overlap is optimum
  - If 75% overlap is used
    - The same spot is sprayed 3 times
    - You get tired
    - The job is done slower

 **Overlap is important**

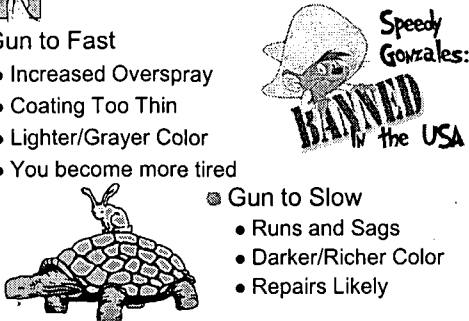
**50% Overlap On the Wet Edge**

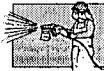


 **Effects of Gun Speed**

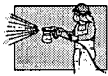
- Gun to Fast
  - Increased Overspray
  - Coating Too Thin
  - Lighter/Grayer Color
  - You become more tired
- Gun to Slow
  - Runs and Sags
  - Darker/Richer Color
  - Repairs Likely

*Speedy Gonzales:*  
**BANNED**  
in the USA



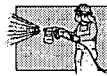
 **Spray Facts**

- Higher air pressure
  - Makes color lighter
  - Make color grayer
- Lower air pressure
  - Makes Color Darker
  - Makes Color Richer
- Wider Spray Pattern
  - Makes color lighter
  - Make color grayer
  - Results in Drier material
- Narrow Spray Pattern
  - Makes Color Darker
  - Makes Color Richer
  - Creates Runs and Sags



### Spray Facts

- Large Fluid Tips
  - Make colors darker
  - Make colors richer
  
- Small Fluid Tips
  - Make Colors Lighter
  - Make Colors Grayer



### Training is effective!

- During the first year of the IOWA STAR Program,
  - 30 technicians trained
  - The average increase in transfer efficiencies was 25%
  - VOC emissions were reduced by an average of 31%



(Tapani & Bauer 1996)

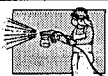


Always  
**THINK**  
Before  
You  
Spray !



### Think before you spray

- Is the pressure ok?
  - There is an optimum hiding pressure
  - There is an optimum blending pressure
- Is the gun and tip the right size?
- Is the reducer right for the temperature?
- Is the spray distance correct?
- Where could dirt come from?
- Where will overspray go?
- Spray perpendicular as much as possible
- Ensure material is well mixed



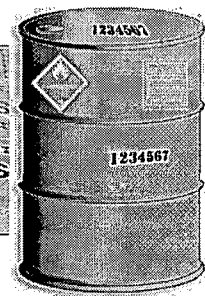
### Gun Cleaning Procedure

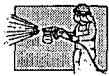
The job isn't done until things are clean

- Do:
  - Make sure a label is on the waste drum
    - Hazardous Waste Sticker
    - Flammable Sticker
    - Old marking painted over or removed
  - Make sure the drum is in Good Shape!
  - Close the funnel lid when finished
  - Check the Drum Level before filling
    - Leave 20% space for expansion



### Gun Cleaning Procedure

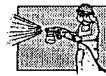




### Gun Cleaning Procedure



- Don't
  - Spray out on floor or other surface
  - Spray into filters
  - Leave containers open when not using
  - Use sloppy practices
    - Like Overfilling Drums
    - Using Pig Mats as an intentional place to spill



### Evaluations

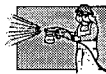
- After this session two evaluations will occur.
  - The first will be a short quiz over the topics discussed
  - The second will be a skills evaluation by a supervisor or team lead
    - The evaluation is meant to be an unbiased tool to help you work on your skill
    - The evaluation looks at gun setup, gun speed, angles, etc.



### Evaluations

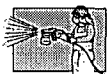
- Evaluates
 

<ul style="list-style-type: none"> <li>● Fluid Setting</li> <li>● Air Pressure Setting</li> <li>● Fan Setting</li> <li>● Body Position</li> <li>● Gun Angles</li> <li>● Gun Distance</li> <li>● Gun Speed</li> </ul>	<ul style="list-style-type: none"> <li>● Overlap</li> <li>● Work Flow</li> <li>● Triggering</li> <li>● Arching</li> <li>● Gun Cleaning</li> <li>● Criteria determined for your shop</li> </ul>
--	--



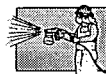
### Painting Quiz

1. What is one thing that occurs from spraying to far away?
  1. Not enough Solvent is left in the paint for the curing phase
  2. Too much Solvent is left in the paint for the curing phase
  3. The coating is darker and richer
2. What are some defects that occur from gun arching?
  1. Arching causes multiple defects
  2. Orange Peel
  3. Dry Spray
  4. All of the above



### Painting Quiz

3. It is illegal to spray waste paint into filters and the open air?
  - True
  - False
4. When cleaning a gun one should always?
  1. Use an absorbent mat to get rid of material
  2. Dispose of the material in a designated container and close the lid afterward
  3. Spray the material into a filter
  4. All of the above



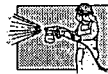
### Painting Quiz

5. What happens when you spray to fast?
  1. You are more tired by the end of the day
  2. You have to go over the same area more times
  3. You increase overspray
  4. All of the above
6. If the gun is set to a higher pressure setting.
  1. The more volatile emissions to the environment
  2. The faster you can paint
  3. The quality of the job will be better
  4. All of the above



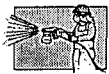
### Painting Quiz

7. What happens if you spray to close to the part?
  1. You are more tired by the end of the day
  2. You have to go over the same area more times
  3. Solvent Pop and Pinholes are more likely
  4. You won't achieve enough mils
  
8. Solvents serve all of the below purposes except
  1. To thin the paint enough to spray
  2. To keep the solids from falling out
  3. To achieve Correct flow
  4. To decrease cure time



### Painting Quiz

1. What is one thing that occurs from spraying to far away?
  1. **Not enough Solvent is left in the paint for the curing phase**
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  4. **All of the above**



### Painting Quiz

3. It is illegal to spray waste paint into filters and the open air?
  - **True**
  - False
  
4. When cleaning a gun one should always?
  1. Use an absorbent mat to get rid of material
  2. **Dispose of the material in a designated container and close the lid afterward**
  3. Spray the material into a filter
  4. All of the above



### Painting Quiz

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  3. To achieve Correct flow
  4. **To decrease cure time**

## Spray Gun Evaluation Guide

### Spray Guns:

Situation	Cause	
	Air passages in air cap clogged with dry paint	_____
		_____
<b>Bad Spray Pattern</b>	Nozzle orifice partially clogged	_____
		_____
	Bent fluid needle	_____

## Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Moisture in or on surface	_____
	Wrong Solvent	_____
	Incorrect flash times	_____
		_____
<b>Blistering</b>	Incompatible films	_____
	Substrate surface too cold	_____
		_____

## Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Air contamination	_____
		_____
		_____
		_____
<b>Fisheyes</b>	Silicone contamination from lubricants, greases, or waxes	_____
		_____
		_____

## Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Too much pressure	_____
		_____
		_____
<b>Heavy in the Middle Fan Pattern</b>	Not enough atomizing pressure	_____
		_____
		_____

## Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Worn or Loose Packing	_____
		_____
		_____
<b>Intermittent or Pulsating Spray Pattern</b>	Low fluid in gun cup	_____
		_____
		_____

## Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Restriction in paint line	_____
		_____
		_____
<b>Insufficient Fluid Flow</b>	Hose is blocked	_____
	Fluid nozzle too small	_____
	Low fluid pressure	_____
		_____

## Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Dirt & Dust under Surface	_____
		_____
		_____
<b>Dirty, Course Surface</b>	Material is contaminated	_____
		_____
		_____

## Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Coating too thin	_____
	Very wet coats applied	_____
<b>Mottled Looking Surface</b>	Improper Spray Technique	_____
		_____

## Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Dried paint in fluid nozzle	_____
	Loss of air pressure	_____
<b>No Paint Flow</b>	Loss of fluid pressure	_____
	Dried paint in air passage	_____
	Restriction in material hose	_____
	Clogged valve	_____

## Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Paint drying too fast	_____
		_____
<b>Orange Peel</b>	Gun distance too far from surface	_____
	Viscosity of paint too heavy	_____

## Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Gun distance too far substrate	_____
		_____
<b>Excessive Overspray</b>	Too much atomizing air for coating being sprayed	_____

**Note: HVLP Requirements**

## Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Trapped solvents/excessive film builds	_____
		_____
<b>Pin-holing/ Solvent Pop</b>	Improper solvent used	_____
	System contaminated	_____

## Spray Gun Evaluation Guide

**Spray Guns:**

Situation	Cause	
	Incorrect size needle	_____
	Damaged or worn needle	_____
<b>Paint Leak</b>	Loose fluid nozzle	_____
	Worn or loose packing nut	_____
	Needle not closing	_____

## **Spray Gun Evaluation Guide**

**Spray Guns:**

<b>Situation</b>	<b>Cause</b>	
	Material too thin	_____
	Moving gun too slow	_____
		_____

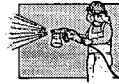
<b>Runs and Sags</b>	Substrate too cold	_____
	Excessive product	_____
	Gun too close to substrate	_____

 **MONACO COACH CORPORATION**

**SAFETY INSTRUCTION  
PROGRAM**



Revised 6/27/07



**SAFETY & HEALTH PRECAUTIONS**

Paint products are generally a mixture of components that can be hazardous to your health and potentially flammable:

- Resins
- Pigments
- Solvents
- possibly Isocyanates



**SAFETY & HEALTH PRECAUTIONS**

- Solvent-based paints are highly flammable and should always be kept away from heat, sparks, and other ignition sources
- Labels must be on all containers during use and storage
- First Aid equipment and fire extinguishers must be available and in proper working order
- Proper ventilation is required when working with any solvent based product including paints & reducers. When applying or sanding.



**SAFETY & HEALTH PRECAUTIONS**

- Review all labels, technical sheets and Material Safety Data Sheets (MSDS) for recommendations on product use
- Keep containers closed when not in use
- Store material properly



**SAFETY & HEALTH PRECAUTIONS**

Solvents, some pigments, and other additives have health effects associated with them. OSHA has established PELs (Permissible Exposure Limits) for many of these and there may be TWA (Time Weighted Averages), STELs (Short Term Exposure Limits) or TWA-C (TWA-Ceiling) associated with the product, or it may have a skin designation. These levels are enforceable by OSHA inspectors. Some solvents or components in a paint product can cause acute (immediate) or chronic (long term) effects. See the MSDSs for specific information on damage to the liver and kidneys after exposure.



**SAFETY & HEALTH PRECAUTIONS**

**ACUTE effects:**

- Dizziness
- Blurred vision
- Disorientation
- and in some severe cases, Unconsciousness.

It is therefore very important to use these materials with the proper PPE including respiratory protection. Isocyanates have special hazards. See appropriate MSDS and product labels for further information.



### PERSONAL PROTECTIVE EQUIPMENT

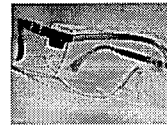


#### Gloves:

Always use gloves when skin exposure to chemicals is possible. Organics can be absorbed through the skin.

Never wash hands in solvent. Use soap and water or a hand cleaner designed to remove paint. Solvents can also cause drying skin, dermatitis or other irritation.

### PERSONAL PROTECTIVE EQUIPMENT



#### Safety Eyeglasses:

Wear safety glasses or goggles to protect your eyes from splashes or vapors. Getting solvent in the eyes is very painful and may cause damage. If solvent does get in the eyes, flush with large quantities of water and seek immediate medical attention.

### PERSONAL PROTECTIVE EQUIPMENT

#### Respirator:

When using a material containing solvent, it is necessary to use proper respiratory protection. The respirator must be properly fitted to the face to seal against leakage.

⊕A vapor particulate respirator will protect you from vapors, mist and dust.

⊕An organic vapor cartridge (TC-23) must be used.

All respirators must be NIOSH (National Institute for Occupational Safety and Health) and MSHA (Mine Safety and Health Administration) approved. If you have facial hair or other conditions that prevent a proper seal of the mask, you must use a fresh air system such as a hood that has a positive pressure system that conforms to TC19C NIOSH/MSHA requirements.

### PERSONAL PROTECTIVE EQUIPMENT

#### Respirator:

For cartridge respirators using negative pressure, the cartridges must be replaced frequently. New Regulations require a cartridge life of service declared. Currently most all general paint & prep operations have a 16 hour life of service. Changing cartridges every other day is required.

When not in use, the respirator should be cleaned and stored in a sealed plastic bag away from sunlight, heat or moisture. See the manufacturers recommendation for proper cleaning and storage.

A fresh air supplied system is the only respirator that meets NIOSH/MSHA specifications for use with products containing or mixed with products containing isocyanates over the PEL (Permissible Exposure Level)

### PERSONAL PROTECTIVE EQUIPMENT

#### Respirator:

Note: While it is important to use the proper respiratory protection and other personal protective equipment when spraying products, it is also important to use them when mixing or otherwise handling the products.

See the appropriate MSDS and product labels for more information.

### PERSONAL PROTECTIVE EQUIPMENT

#### Working with Isocyanate Products:

When working with isocyanate products, it is necessary to wear an approved respirator **specifically designed** to filter out isocyanate chemicals.

BASF Training Departments recommend that a fresh air supplied hood be worn when spraying any paint products containing isocyanates.

## **SAFETY**

- Over 11,000 people die from on-the-job accidents each year – and a worker is injured every 18 seconds.
- Accidents are avoidable!



## **COMMON SENSE – SAFETY SENSE**

The biggest cause of all accidents is not using common sense & carelessness.

- Complacency – going on "automatic pilot" because we've done the job so often.
- Emotions – being angry or upset by something that happened at home, an argument with someone at work, etc.
- Fatigue – too little sleep or too many hours on the job
- Not appreciating hazards – not enough training, or not paying enough attention when we are trained
- Reckless or know-it-all attitude – thinking safety is not important, or does not apply to you

## **COMMON SENSE – SAFETY SENSE**

The Bottom Line:

- Don't let these factors set you up for a painful accident
- Take safety seriously – ALL THE TIME!
- Safety is YOUR responsibility.



## **COMMON SENSE – SAFETY SENSE**

Develop Good Work Habits:

- Look around for Potential Hazards
- Eliminate hazards before you start
- Check and read product labels and MSDS Sheets
- Use the correct protective clothing and equipment
- Keep workspace free of anything you could trip over or that creates a hazard ignition source, reactive chemicals, combustibles, etc.
- Be sure equipment is in good working order. If its not, don't use it, & report it to your supervisor

## **COMMON SENSE – SAFETY SENSE**

Develop Good Work Habits:

- Don't eat or smoke in the work area
- Use proper ventilation, maintain filters
- Respect electricity and power equipment
- Turn off equipment when not in use
- Use the right tool or equipment to do the job
  - Don't, for instance, use a pile of boxes instead of a ladder
- Follow all job procedures

## **COMMON SENSE – SAFETY SENSE**

Develop Good Work Habits:

- Don't do a job if you are not sure how
- Have a buddy present if you are assigned to a hazardous task like working in a confined space
- Keep focused on what you are doing
- Follow all safety programs & written safety procedures





## Monaco/BASF

4. First Aid equipment and fire extinguishers must be available and in proper working order  
True or False
5. Proper ventilation with properly maintained filters is required when working with any solvent based product including paints, reducers, hardeners, body putties, etc.  
True or False
6. Proper respiratory and other PPE (Personal Protective Equipment) must be used when mixing, spraying, applying or sanding.  
True or False
7. Review all labels, technical sheets and Material Safety Data Sheets (MSDS) for recommendations on product use.  
True or False

## Monaco/BASF

8. Keep containers closed when not in use.  
True or False
9. Store material properly  
True or False
10. Dizziness, blurred vision, disorientation, and in some severe cases, unconsciousness are acute effects of over exposure to solvents.  
True or False

# Review

Please document training by completing the following questions, sign, date, and return to Environment Health and Safety Department contacts specified below.

Liquid-containing containers may be disposed of when:

- When Supervisor isn't looking
- When they are 'mostly' empty.
- When they are completely empty (i.e. contain no free liquids).

Solvents used to clean paint lines, or paint guns, and any materials contaminated by them must:

- Be captured into closed containers.
- Be managed as hazardous waste.
- All of the above.

Booth exhaust filters must always be installed gap-free in all paint booths.

- No, not when filters are clogged & booth pressures are too great. Or when spray fog is not dissipating quickly.
- Yes.
- Only when the booth is not connected to a control device.

"T-Shirt" rags and paper wipes that are not used for hazardous waste clean-up may be disposed of in regular garbage:

- Yes, as long as flammable characteristics are not present.
- No.
- Maybe. Just do what everyone else does.

Spray gun operating pressures & fluid settings should be set by Paint Vendors & left alone:

- Yes.
- No, each painter has his own preferences & is allowed to do as he/she pleases.
- No, maintenance does this.

Paints should not be over-reduced beyond what the paint vendor specs:

- Absolutely! We pay our vendors to properly serve us, and to assure that operations remain within compliant limits on our coatings.
- No, I know best.
- Let your supervisor handle it.

Name Michael Hartwig

Position Painter

Plant Wildwood

Supervisor Jim Hoke

o

Date 9/10/08

### MONACO COACH CORPORATION

Coburg Contact:

Steve Stuckmeyer  
Environmental Coordinator  
Plant 10, Ext. 8255

Indiana Contact:

Don Taylor  
Environmental Coordinator  
Plant 1, Ext 7445

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Name TERRY D. M. SHER

Position PAINT

Plant MONACO COACH CORP

Supervisor JIM HOKER / CHARLIE VEGAS

Date 9-10-08

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Environmental Coordinator  
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- ~~No, I know best.~~
- Let your supervisor handle it.

Name JOSE E. PEREZ

Position Painter

Plant Wildwood

Supervisor CHARLIE VEGAS / Jim Blake

Date 09-10-08

### MONACO COACH CORPORATION

Coburg Contact:

Steve Stuckmeyer  
Environmental Coordinator  
Plant 10, Ext. 8255

Indiana Contact:

Don Taylor  
Environmental Coordinator  
Plant 1, Ext 7445

# Review

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- No.
- Maybe. Just do what everyone else does.

Solvents used to clean paint lines, or paint guns, and any materials contaminated by them must:

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- Be managed as hazardous waste.
- All of the above.

Spray gun operating pressures & fluid settings should be set by Paint Vendors & left alone:

- Yes.
- No, each painter has his own preferences & is allowed to do as he/she pleases.
- No, maintenance does this.

Booth exhaust filters must always be installed gap-free in all paint booths.

- No, not when filters are clogged & booth pressures are too great. Or when spray fog is not dissipating quickly.
- Yes.
- Only when the booth is not connected to a control device.

Paints should not be over-reduced beyond what the paint vendor specs:

- Absolutely! We pay our vendors to properly serve us, and to assure that operations remain within compliant limits on our coatings.
- No, I know best.
- Let your supervisor handle it.

Dustin Hoff  
Name

Painter  
Position

Wildwood  
Plant

Charlie Vegas / Jim Hoke  
Supervisor

9-10-03  
Date

### MONACO COACH CORPORATION

Coburg Contact:

Steve Stuckmeyer  
Environmental Coordinator  
Plant 10, Ext. 8255

Indiana Contact:

Don Taylor  
Environmental Coordinator  
Plant 1, Ext 7445



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Chris Rossi 

Name

Painter

Position

Wildwood

Plant

Charlie Vegas / Jim Noke

Supervisor

9/10/08

Date

### MONACO COACH CORPORATION

Coburg Contact:

Steve Stuckmeyer  
Environmental Coordinator  
Plant 10, Ext. 8255

Indiana Contact:

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Name James R Hoke

Position Paint Shop Foreman

Plant Wildwood Service

Supervisor Charlie Vargas

Date 9-10-08

### MONACO COACH CORPORATION

Coburg Contact:

Steve Stuckmeyer  
Environmental Coordinator  
Plant 10, Ext. 8255

Indiana Contact:

Don Taylor  
Environmental Coordinator  
Plant 1, Ext 7445

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Name LARRY FLOOD

Position PAINTER

Plant WILDWOOD, FL

Supervisor CHARLEY VEGAS

JIM HOKE

Date 9-10-08

### MONACO COACH CORPORATION

Coburg Contact:

Steve Stuckmeyer  
Environmental Coordinator  
Plant 10, Ext. 8255

Indiana Contact:

Don Taylor  
Environmental Coordinator  
Plant 1, Ext 7445

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- Let your supervisor handle it.

DAVID CAIR  
Name

PAINTER  
Position

WILLIWOOD FL  
Plant

Jim Hoke  
Supervisor

9/10/05  
Date

### MONACO COACH CORPORATION

Coburg Contact:

Steve Stuckmeyer  
Environmental Coordinator  
Plant 10, Ext. 8255

Indiana Contact:

Don Taylor  
Environmental Coordinator  
Plant 1, Ext 7445

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JOSH COPEW  
Name

PAINTER  
Position

WILDWOOD  
Plant

JIM HOKE  
Supervisor

9-10-08  
Date

### MONACO COACH CORPORATION

Coburg Contact:

Steve Stuckmeyer  
Environmental Coordinator  
Plant 10, Ext. 8255

Indiana Contact:

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Name Dennis Lindewirth II

Position Painter

Plant Wildwood FL

Supervisor Jim Hoke

Date 9-10-08

### MONACO COACH CORPORATION

Coburg Contact:

Steve Stuckmeyer  
Environmental Coordinator  
Plant 10, Ext. 8255

Indiana Contact:

Don Taylor  
Environmental Coordinator  
Plant 1, Ext 7445

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Name Pat Conroy

Position Paint Tech

Plant Wildwood

Supervisor Jim Hoke

Date 9/10/08

### MONACO COACH CORPORATION

Coburg Contact:

Steve Stuckmeyer  
Environmental Coordinator  
Plant 10, Ext. 8255

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ERIC BAKER  
Name

PAINTER  
Position

WILDWOOD  
Plant

JIM HOKE  
Supervisor

9.10.08  
Date

### MONACO COACH CORPORATION

Coburg Contact:

Steve Stuckmeyer  
Environmental Coordinator  
Plant 10, Ext. 8255

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Name Agustin Enriquez Vieira

Position Painter

Plant Wildwood

Supervisor Jim Hoke

Date 9-10-08

### MONACO COACH CORPORATION

Coburg Contact:

Steve Stuckmeyer  
Environmental Coordinator  
Plant 10, Ext. 8255

Indiana Contact:

Don Taylor  
Environmental Coordinator  
Plant 1, Ext 7445

## Stubbs, Danny

---

**From:** Kurt Anderson [Kurt.Anderson@monacocoach.com]  
**Sent:** Monday, August 18, 2008 12:40 PM  
**To:** Stubbs, Danny  
**Subject:** RE: Email Address  
**Attachments:** 2008 SO7 Wildwood EMISSIONS.xls

Danny; attached is the emission tracking sheet we maintain. I have asked the facility to forward their training records for condition 12, and I will forward as soon as I receive them. I didn't want to hold you up any more.  
Thanks.

Kurt W. Anderson  
Director EH&S  
Monaco Coach Corporation  
574/862-7347

---

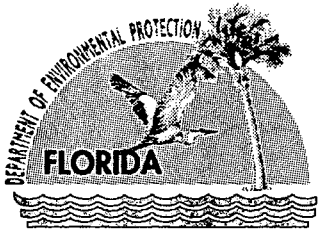
**From:** Stubbs, Danny [mailto:Danny.Stubbs@dep.state.fl.us]  
**Sent:** Wednesday, August 13, 2008 9:29 AM  
**To:** Kurt Anderson  
**Subject:** Email Address

Kurt,  
My email address is provided below as you requested.

E-Mail: [Danny.Stubbs@dep.state.fl.us](mailto:Danny.Stubbs@dep.state.fl.us)

Danny Stubbs  
Permit Engineer Specialist  
FDEP Southwest District  
813-632-7600 Ext. 159

*The Department of Environmental Protection values your feedback as a customer. DEP Secretary Michael W. Sole is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on [this link to the DEP Customer Survey](#). Thank you in advance for completing the survey.*

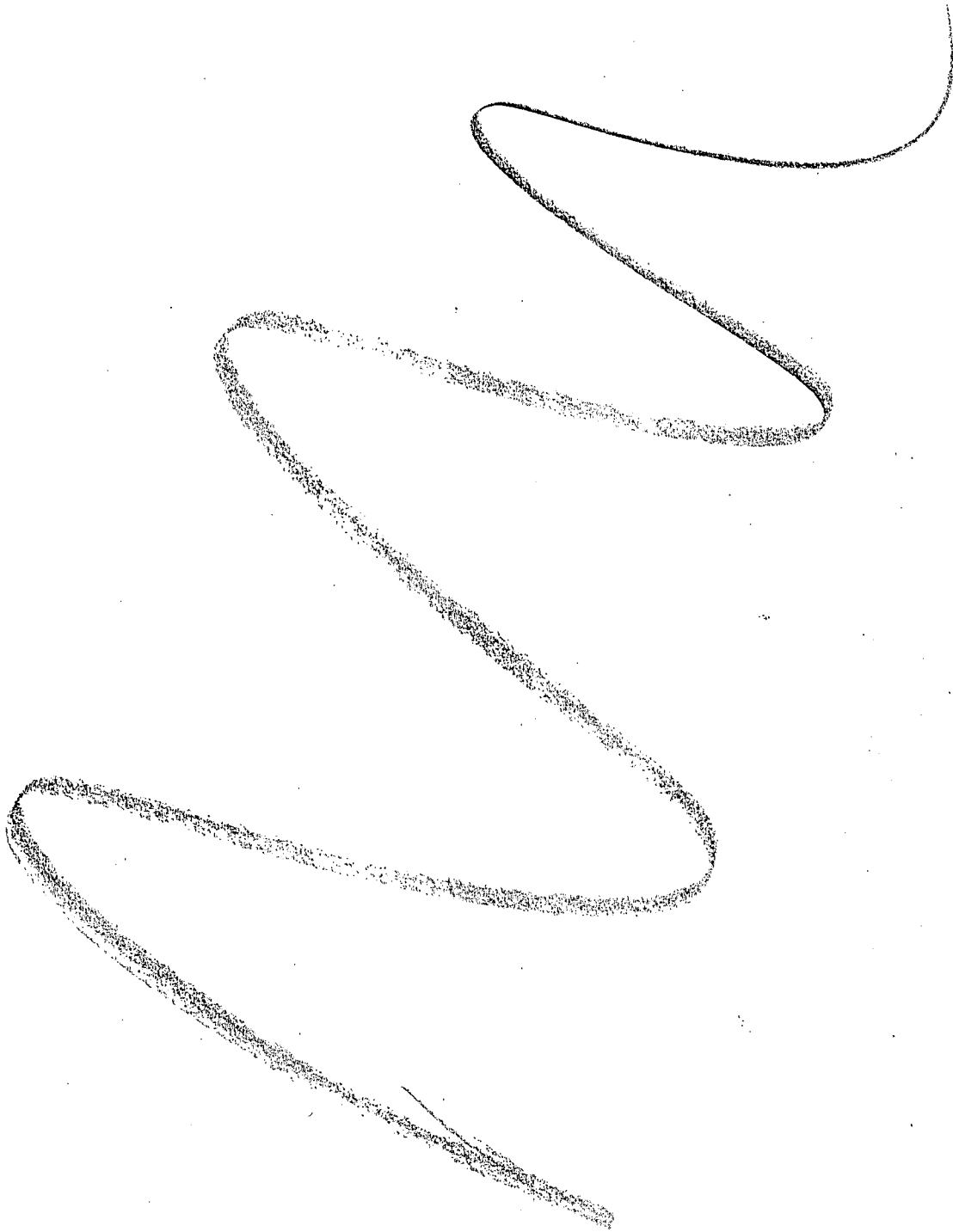


Jeb Bush  
Governor

# Department of Environmental Protection

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

Colleen M. Castille  
Secretary



*"More Protection, Less Process"*

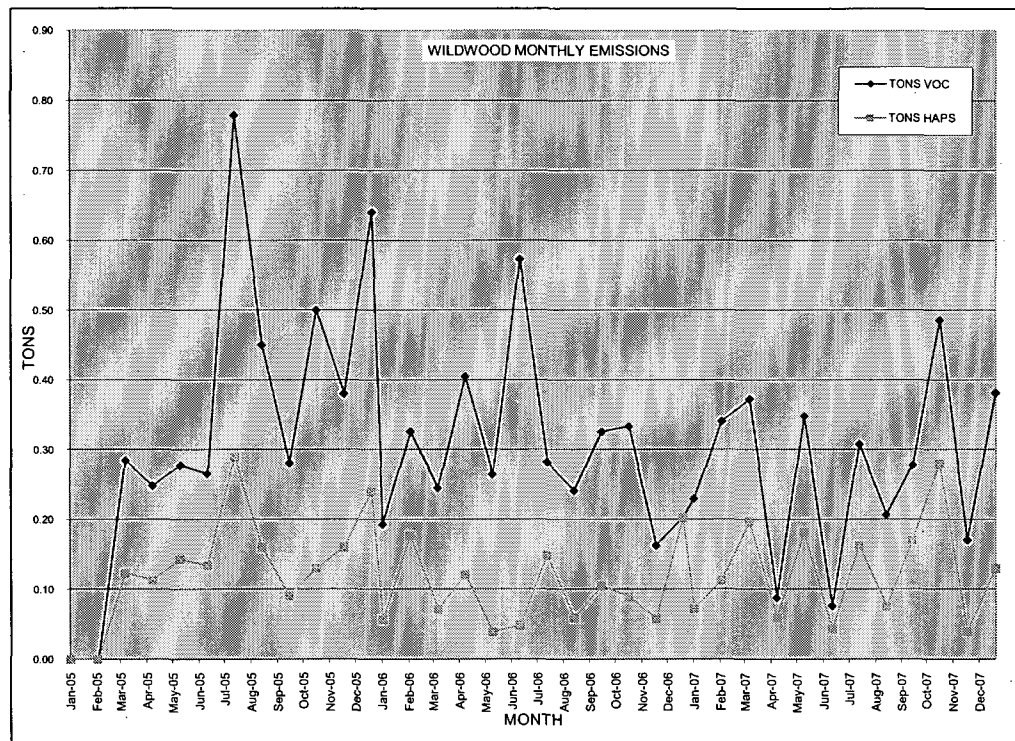
*Printed on recycled paper.*



2004 EMISSIONS SUMMARY SHEET

PERMIT CONDITIONS: 39 TONS VOC /12MONTH PERIOD  
 16 TONS HAPS/12 MONTH PERIOD  
 9.9 TON INDIVIDUAL HAP / 12 MONTHS  
 2.0 TON HAPS / MONTH

MONTH	TONS VOC	TONS HAPS	12 month 12 month voc	12 month HAP
January-05	0.00	0.00		
February-05	0.00	0.00		
March-05	0.28	0.12		
April-05	0.25	0.11		
May-05	0.28	0.14		
June-05	0.27	0.13		
July-05	0.78	0.29		
August-05	0.45	0.16		
September-05	0.28	0.09		
October-05	0.50	0.13		
November-05	0.38	0.16		
December-05	0.64	0.24	4.10	1.58
January-06	0.19	0.06	4.30	1.64
February-06	0.33	0.18	4.62	1.82
March-06	0.24	0.07	4.58	1.76
April-06	0.40	0.12	4.74	1.77
May-06	0.26	0.04	4.73	1.67
June-06	0.57	0.05	5.03	1.58
July-06	0.28	0.15	4.54	1.44
August-06	0.24	0.06	4.33	1.34
September-06	0.33	0.11	4.37	1.36
October-06	0.33	0.09	4.21	1.31
November-06	0.16	0.06	3.99	1.21
December-06	0.20	0.20	3.55	1.17
January-07	0.23	0.07	3.59	1.19
February-07	0.34	0.11	3.60	1.13
March-07	0.37	0.20	3.73	1.25
April-07	0.09	0.06	3.41	1.19
May-07	0.35	0.18	3.50	1.33
June-07	0.08	0.04	3.00	1.33
July-07	0.31	0.16	3.03	1.34
August-07	0.21	0.08	2.99	1.36
September-07	0.28	0.17	2.94	1.42
October-07	0.49	0.28	3.10	1.61
November-07	0.17	0.04	3.10	1.60
December-07	0.38	0.13	3.28	1.52
January-08	0.58	0.16	3.63	1.61
February-08	0.14	0.03	3.43	1.53
March-08	0.26	0.09	3.31	1.43
April-08	0.26	0.07	3.48	1.44
May-08	0.35	0.20	3.49	1.46
June-08	0.20	0.05	3.61	1.46
July-08	0.10	0.10	3.40	1.40
August-08	0.00	0.00	3.20	1.33
September-08	0.00	0.00	2.92	1.16
October-08	0.00	0.00	2.43	0.88
November-08	0.00	0.00	2.26	0.84
December-08	0.00	0.00	1.88	0.71



5.00 \*\*IF OVER 5 TONS HAPS THEN RECORD INDIVIDUALS

LIMITS	2.00	39.00	16.00
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TIRE DISPOSAL - FEES PAID & DISPOSAL OR SOLD TO WILDWOOD TIRE COMPANY INC.

TRASH HAULER - HEWITT

HAZARDOUS WASTE HAULER - SAFETY-KLEEN (STARTING IN DEC 2003)

GUN CLEANING SERVICE - SAFETY-KLEEN

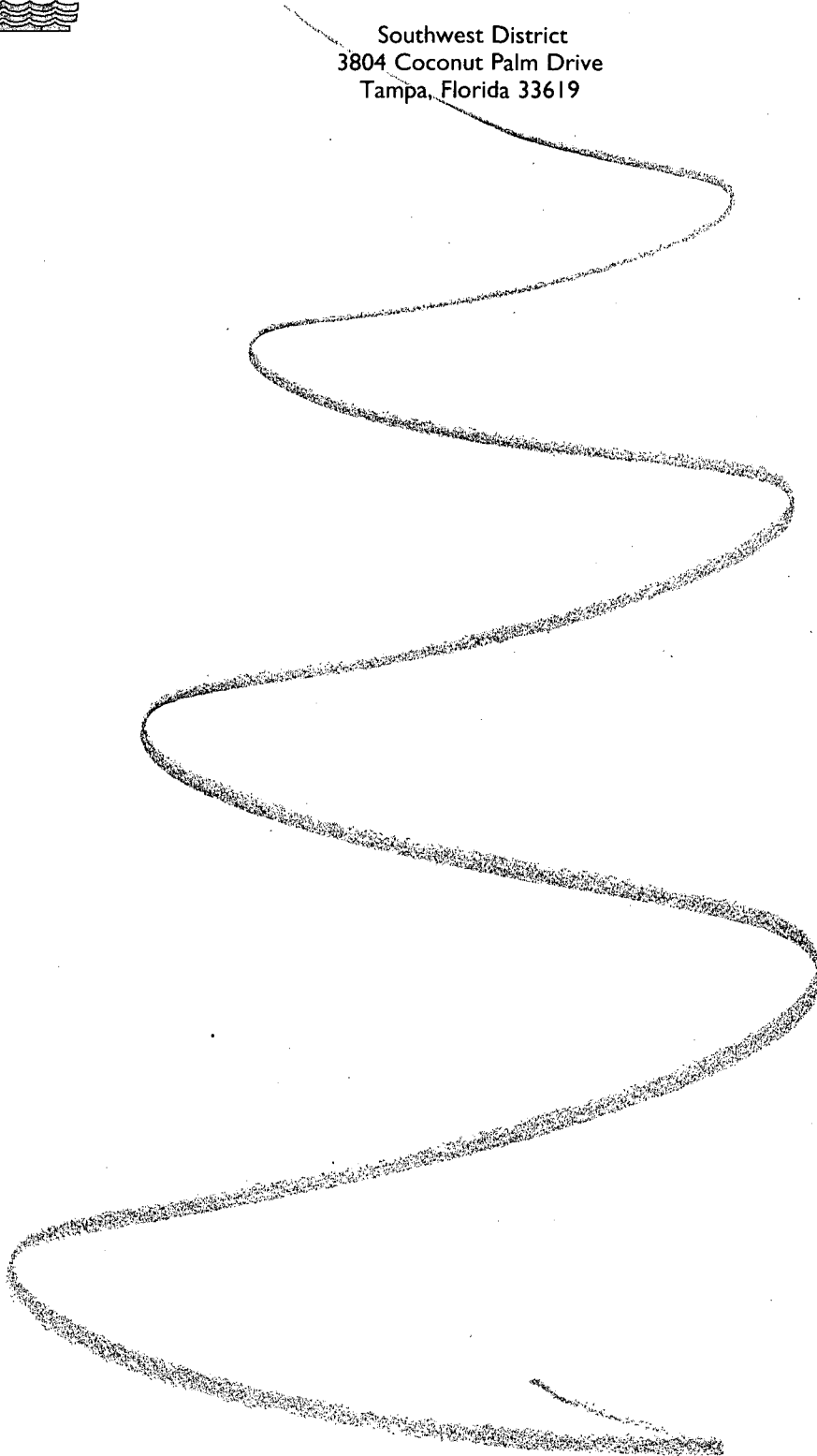


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Governor

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MONACO COACH CORPORATION			Units												
MATERIAL	MATERIAL	MCC SKU	Gal/	Jun-08	Jul	Intergy Jul-08	Jul-08	Jul-08	Jul-08	Aug	Intergy Aug-08	Aug-08	Aug-08	Aug-08	
NAME	ID NUMBER	U.O.M.	UOM	TONS HAPS	Receipts	PURCH	Tons VOC	Pounds VOC	TONS HAPS	Receipts	PURCH	Tons VOC	Pounds VOC	TONS HAPS	
<b>ADHESIVES:</b>				0.00		20.49	0.05	103.73	0.00		0.00	0.00	0.00	0.00	
811 CLEAR ADHESION PROMOTER	811	12512048 12512506	GA	1.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
TITEBOND REGULAR	3120700	12010002	GA	1.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
DOMCO 400 ACRYLIC HARD SET ADHESIVE	400	12512152	GA	1.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
ULTRA STICK ADHESIVE	10522	X90732	11 OZ	0.09	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
RV2000 II SELF LEVELING CAULK	RV2000	12512489	GA	1.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
502 LSW HAPS FREE LAP SEALANT	502 LS	12400130	11OZ	0.09	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
502 LSD HAPS FREE LAP SEALATN	502LSD-5	12514717	FV	5.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
EPDM Roofing Membrane Adhesive	905BA	12514190	FV	5.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
GORRILLA GLUE		x90844	LB	0.10	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
Liquid Nails Heavy Duty Construction Adhesive	LN-901	x90979	29oz	0.23	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
QUICK-BOND ADHESIVE 10OZ DC	10613	18272	10 oz	0.08	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
3M AUTOMIX PANEL BONDING ADHES	8115	90601 - S12511902	200 ML	0.05	0.00	1.00	0.05	0.00	0.00		0.00	0.00	0.00	0.00	
BENDERS 630 LD CONTACT CEMENT "	630	02179	ea	0.25	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
BORING SMITH BSI WEB 76 ADHESIVE	bsiweb76	12513714	ea	0.13	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
GH14 GOLDEN HARVEST CLEAR WALL	GH-14	X90329	ea	1.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
PRO-BOND (TITE-R-BOND)	AP.32	12100641	32 OZ	0.25	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
Elmer's probond Glue	MP97	MP97	GA	1.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
Mirror Adhesive		12513123	12oz	0.09	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
BOSTIC 1100 FAST SET POLYURETHAN	1100FS	12511708	10.3 OZ	0.08	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
Glue	M533	M533	.9KG/12PK	0.25	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
LOCTITE PRISM 401 SURF-INSENSITIV	401	S04003845	GA	1.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
STAPUT 2001 M ADHESIVE CYLINDER	2001M	S12512107	27 LBS	0.21	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
STAPUT IV M AEROSOL ADHESIVE	97321	12101558 - S12513931	16 OZ	0.13	0.00	96.00	12.00	0.03	63.48	0.00	0.00	0.00	0.00	0.00	
STAPUT II AEROSOL ADHESIVE 15OZ	SP2ACC	12511914	15 OZ	0.12	0.00	72.00	8.44	0.02	40.25	0.00	0.00	0.00	0.00	0.00	
CORIAN JOINT ADHESIVE PART A	15.8 OZ TOTAL	X90980	15.83oz	0.12	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
CORIAN JOINT ADHESIVE PART B	15.8 OZ TOTAL	X90981	2.64oz	0.02	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
KER 400 SERIES -KERAPOXY PARTS A, B & C	IM9C04	12514035.951	QT	0.25	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
White Uniflex Adhesive		12513058	FV	5.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
dap weldwood original contact cement		X90445	GA	1.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
CHEM-WELD EP 10 OZ DC	10615	S12511901	10 OZ	0.08	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
CHEM WELD EP 1.7 OZ	10641	S12511925	1.7 OZ	0.01	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
Bostic Windshield adhesive		12513252	10.3 oz	0.08	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
SAFETAC E700 (FAST TAC) CARPET THI	E700FT	12514123	GA	1.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
Cement ABS 88-1183	88-7783	12511793	QT	0.250	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
<b>CAULKS &amp; SEALANTS:</b>				0.00		21.00	0.04	73.50	0.03		0.00	0.00	0.00	0.00	
SIKAFLEX 221	221	12511876 - 12513103	20 oz	0.16	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
S-46 100% SILICONE 11 OZ NW	P50079		11 OZ F	0.09	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
SIKAFLEX PRIMER GLASS WIPE	260/205	12511878	PT	0.13	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	

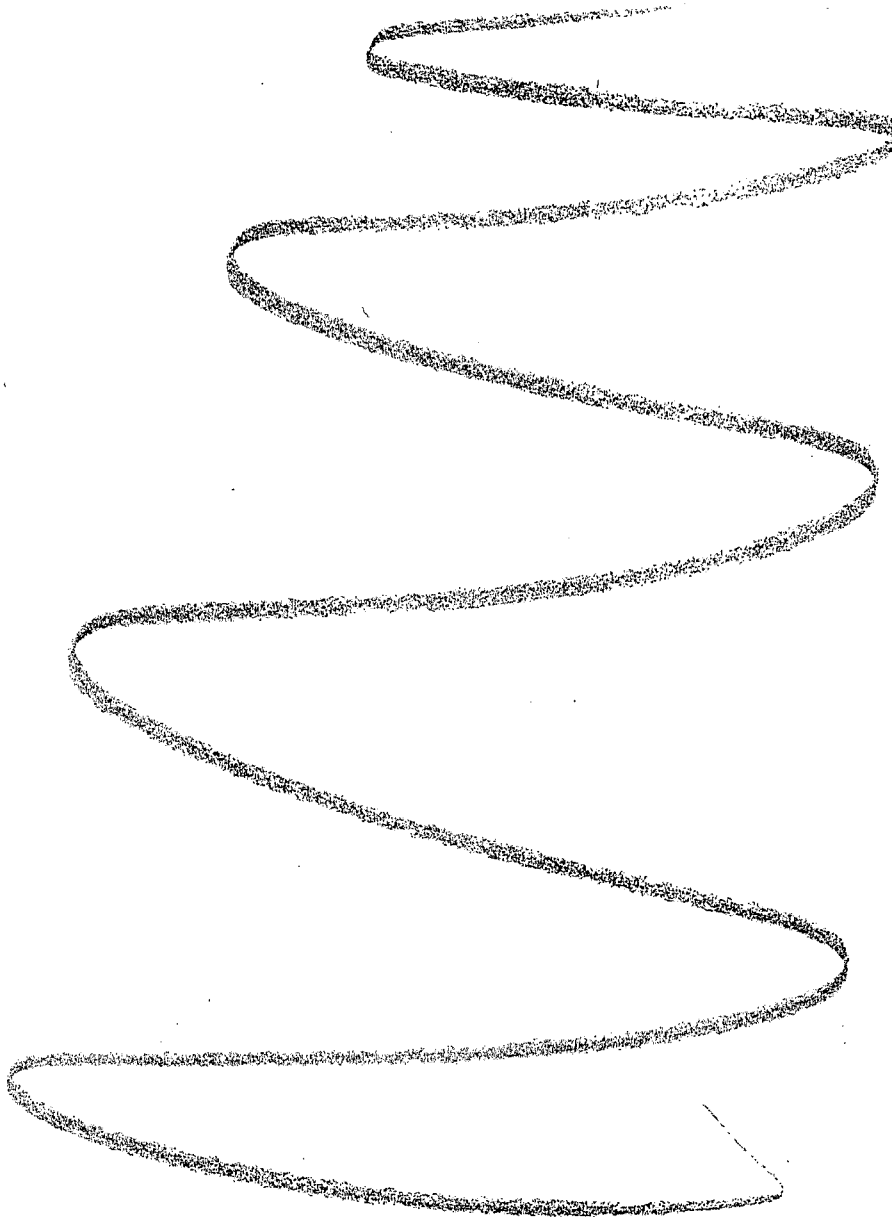


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# Department of Environmental Protection

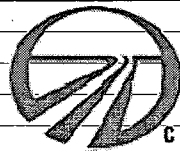
Southwest District  
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			Units												
			MCC												
			SKU	Intergy						Intergy					
MATERIAL	MATERIAL		Gal/	Jun-08	Jul	Jul-08	Jul-08	Jul-08	Jul-08	Aug	Aug-08	Aug-08	Aug-08	Aug-08	
NAME	ID NUMBER		U.O.M.	UOM	TONS HAPS	Receipts	PURCH	Tons VOC	Pounds VOC	TONS HAPS	Receipts	PURCH	Tons VOC	Pounds VOC	TONS HAPS
FLEX-E-6000 SEAMSEALER 10 OZ	P10491	X90883	10 OZ	0.08	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
CLEAR-SEAL SEAM SEALER 10 OZ 1055	10558	X70082	10 oz	0.08	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
PLASTISEAM SEAM SEALER	F-715	X90644	ea		0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
SM5522 Acryl-R acrylic sealant (clear) 10.3	SM5522	12513458	10.3 OZ	0.08	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
Dap KWIK SEAL TUB & TILE CAULK - A8-8960 38-86	88-8960 38-86	X90240	ea	0.08	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
HIGH PERFORMANC COLORMETRIC SILICONE SEALANT WHITE	88-4312	X18067	10.6 OZ	0.08	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
HIGH PERFORMANC COLORMETRIC SILICONE SEALANT CLEAR	88-4322	12511781	10.6 OZ	0.08	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
grout ultra color (All Colors)	Kerapoxy	12513898	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
HYDROMENT CTG ALL COLORS(MOBE PEARL KIT)	1900 HYDROMIX	12512178	25LB BAG - QTS	2.94	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
ACRYLIC SEAM SEALER	SM5504	12511837	PT	0.13	0.00	168.00	21.00	0.04	73.50	0.03		0.00	0.00	0.00	0.00
DAP DOW CORNING 100% SILICONE SE	38-8557	12030015	10.1 OZ	0.08	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DAP DOW CORNING 100% SILICONE SE	38-8678	S12512008	10.1 OZ	0.08	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DOW CORNING 733 GLASS & METAL SI	733	3694	10.2 OZ	0.08	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DOW CORNING 733 GLASS & METAL SI	733	8369	10.2 OZ	0.08	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DOW CORNING 733 GLASS & METAL SI	733	4008	10.2 OZ	0.08	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DOW CORNING(R) 795 SILICONE SEALANT WHITE	795 WHITE	12511886	0.67OZ/T	0.01	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
3M Perfect It Foam Polishing Glaze	05955	12512072	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
High Temp Red rtv Silicone Gasket	21512	17296	11oz	0.09	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
<b>COMPOSITES/PUTTYS/FILLERS</b>					0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
POLYESTER GLAZING PUTTY	400	12512063	20 OZ	0.16	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
FIBERGLASS RESIN	58020	20603705	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
ICING POLY FINISH PUTTY 24OZ	26007	12513770	24 oz F	0.19	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
3M PREMIUM LIGHTWEIGHT BODY FIL	05808	12512786	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
FIBERTECH FIBERGLASS REINFORCED	100633	X90811	24 oz	0.19	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
LIQUID HARDENER	100603	X90812	40 ML	0.01	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DYNATRON DYNA GLAZE 591	591	X90491	ea		0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DYNATRON FIBERGLASS RESIN	694		GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
RAGE GOLD BODY FILLER	106	02089	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DURAGLAS 24030 BODY FILLER	24030	12512060	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
FAMOWOOD PUTTY		X90162	3.68 OZ	0.03	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
<b>FOAMS</b>					0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
FROTH-PAK 180 A COMPONENT	ROTH PAK 180	20602423	36 lb/pkg	3.32	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
HANDI-FOAM POLYURETHANE CLEAN	P10083	X90881	436 ML	0.12	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
HANDI-FOAM BLACK GUN FOAM ONE-	P10295	X90882	764 ML	0.20	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
HANDI-FOAM BLACK GUN FOAM ONE-	P10295	X90882-12	12oz	0.07	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
FROTH-PAK 180 B COMPONENT	ROTH PAK 180	20602423	36 lb/pkg	3.59	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
PUR-BLACK AEROSOL FOAM		12512337	32 OZ	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
TITECO 776 POLYFOAM - BLACK (31 oz)	776	12513611	31 OZ	0.24	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DAPTEX LATEX FOAM SEALANT	38-8538	X90104	12oz	0.09	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
URE-FOAM SEAMSEAL 1.7 OZ (PART O	06872	X90105	1.7 OZ	0.01	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00



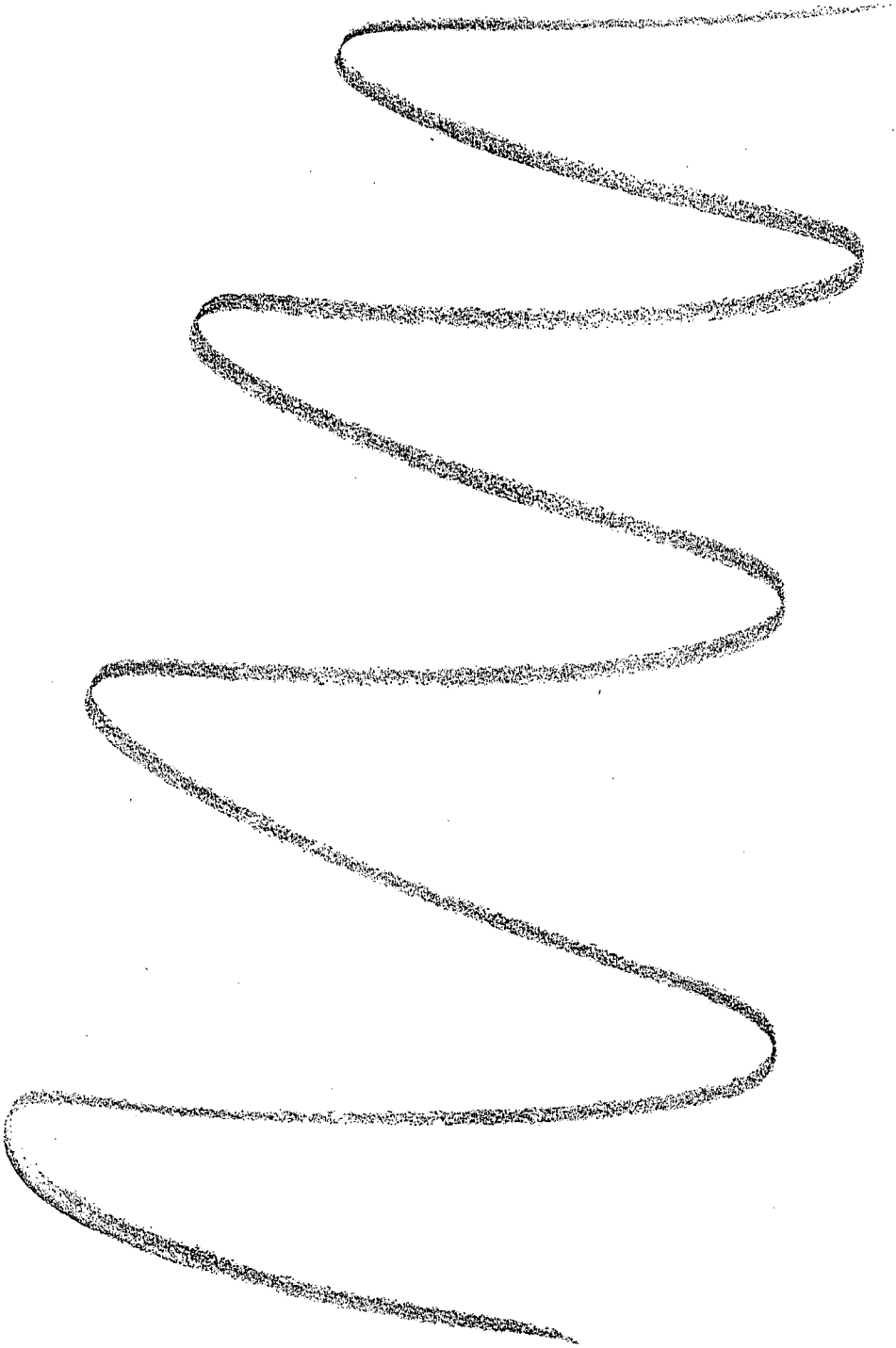


Jeb Bush  
Governor

# Department of Environmental Protection


Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

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			Units												
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		SKU					Intergy					Intergy			
MATERIAL	MATERIAL		Gal/	Jun-08	Jul	Jul-08	Jul-08	Jul-08	Jul-08	Aug	Aug-08	Aug-08	Aug-08	Aug-08	
NAME	ID NUMBER		U.O.M.	UOM	TONS HAPS	Receipts	PURCH	Tons VOC	Pounds VOC	TONS HAPS	Receipts	PURCH	Tons VOC	Pounds VOC	TONS HAPS
<b>PAINTS:</b>					<b>0:05</b>		<b>59:50</b>	<b>0:16</b>	<b>317.63</b>	<b>0:06</b>		<b>0:00</b>	<b>0:00</b>	<b>0:00</b>	<b>0:00</b>
HARD HAT SEMI-GLOSS BLACK AEROSOL	2177	X90333	12oz	0.09	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
POLYPREP ADHESION PROMOTER	P10643	X90923	22 OZ F	0.17	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
865 1K PLASTIC PRIMER	865.00	04008528	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
AM700 PRIMER ETCH AEROSOL 330 GR	AM700	12513884	330 GM	0.11	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
AM826 FLASH FILL UV PRIMER	AM826	X90910	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DP26 POWER FILL 2K PRIMER-GRAY	DP26	X90911	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
929-29 URETHANE HARDENER - NORM	929-29	X90913	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
563-808 SAND FIX PASTE	563-808	X90912	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
Fast 3.5 VOC Production Clear	BC5135	12514947	GA	1.00	0.00	3.00	3.00	0.00	9.90	0.00		0.00	0.00	0.00	0.00
RUSTY PENETRANT	10582	X90097	12oz	0.09	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
ACRYLIC FILL N SAND LOW VOC GRA	131S	12512059	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
KILZ ALKYD RESIN PRIMER (GAL)		X90396	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
KILZ ALKYD RESIN PRIMER Aerosol		X90976	16oz	0.13	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
URELASTIC PRIMER FILLER	50240	X90731	12oz	0.09	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
Undercoat Rubberized	21913	12512686	12OZ	0.09	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
222S MID-COAT ADHESION PROMOTER	222S	12512057	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
39143 TRIM BLACK AEROSOL	39143	S12512103	PT	0.13	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
HI-HEAT ALUMINUM ENAMEL SPRAY	24710	12512665	12oz	0.09	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
KRYLON INT/EXT SPRAY PAINT GLOSS	38-1607	X70058	12oz	0.09	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
KRYLON INT/EXT SPRAY PAINT FLAT	38-1610	X70058	12oz	0.09	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
KRYLON INT/EXT SPRAY PAINT Gloss	38-1609	X70058	12oz	0.09	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
SEYMOUR ACRYLIC ENAMEL GLOSS	98-3	12513346	12OZ	0.09	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
SEYMOUR SPRUCE GLOSS WHITE	98-2	12513787	12oz	0.09	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
SEYMOUR ACRYLIC ENAMEL FLAT	98-10	04008557	12OZ	0.09	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
Silicone Acrylic Concrete Sealer	10.000114	X91025	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
Flat White Enamel Paint	24705	90033	12OZ	0.09	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
HC HS WW Clear Flat	M610-1007	91027	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
Lacquer Reducer 2255	M650-010	91028	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
LACQUER THINNER 4-PLT	4-XLT	X02165	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
RUBBER GUARD COATING 17.75 ZO NV	50086	X90103	17.75 OZ	0.14	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
Spot Primer Aerosol	AM800	12513885	11.3 oz	0.09	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
SELF ETCHING PRIMER 15.5 OZ NW	60285	x70001	15.5 oz	0.12	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
865 1K PLASTIC PRIMER	865	X90461	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
BCH2 BASECOAT HARDENER (QT)	BCH2	12512007	QT	0.25	0.00	25.00	6.25	0.02	35.56	0.00		0.00	0.00	0.00	0.00
BC100 DIAMONT MIXING BASE CLEAR	BC100	12512017	GA	1.00	0.00	1.00	1.00	0.00	5.77	0.00		0.00	0.00	0.00	0.00
BC101 DIAMONT FLOP CONTROL MIXI	BC101	12514432	GA	1.00	0.01		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DIAMONT BC BASES & COLORS (INCLU	DAB	12512016	GA	1.00	0.02	25.00	25.00	0.07	141.25	0.04		0.00	0.00	0.00	0.00

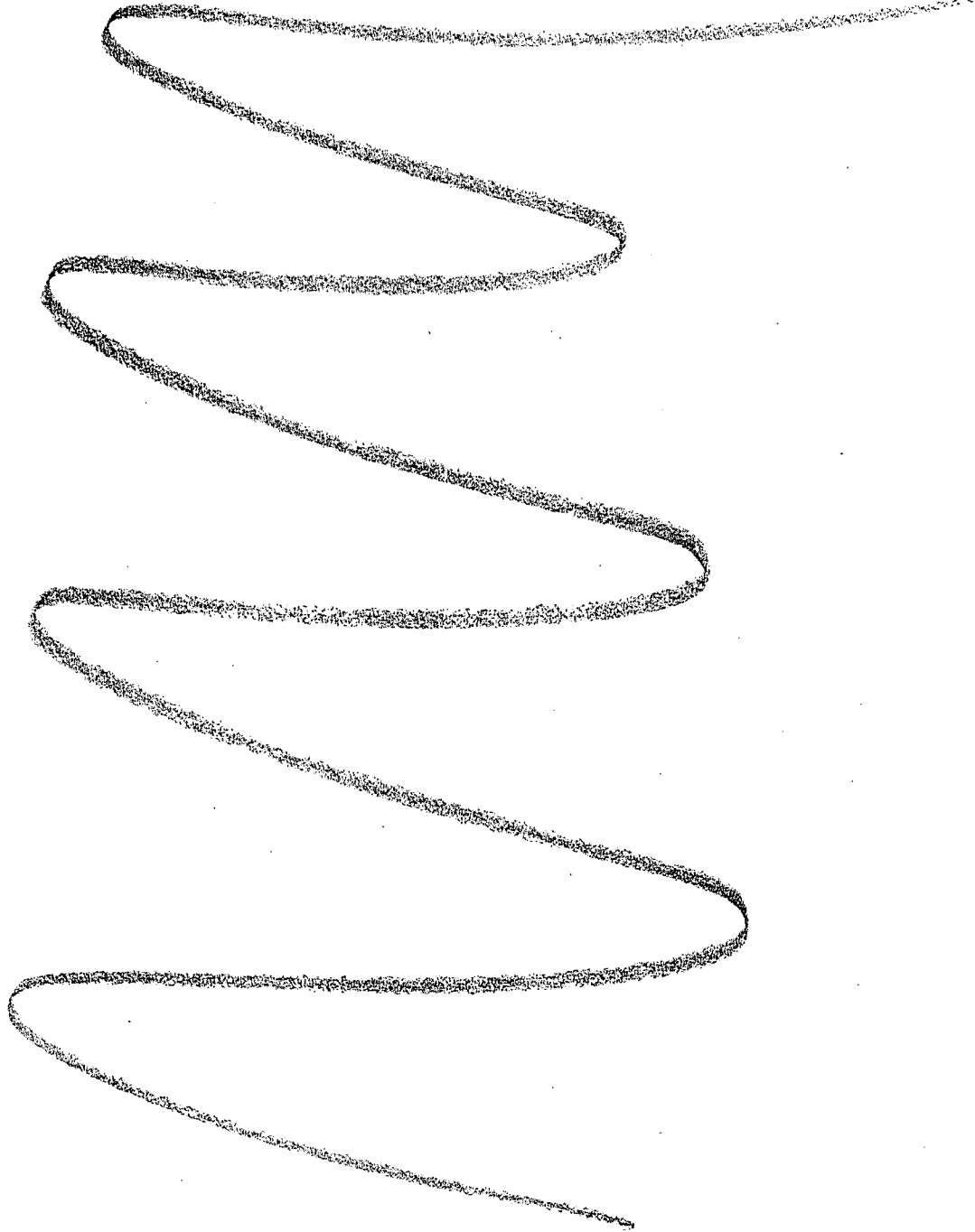


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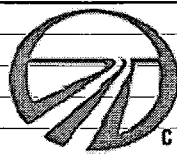
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			Intergy												
MATERIAL	MATERIAL		Gal/	Jun-08	Jul	Jul-08	Jul-08	Jul-08	Jul-08	Aug	Aug-08	Aug-08	Aug-08	Aug-08	
NAME	ID NUMBER		U.O.M.	UOM	TONS HAPS	Receipts	PURCH	Tons VOC	Pounds VOC	TONS HAPS	Receipts	PURCH	Tons VOC	Pounds VOC	TONS HAPS
DIAMONT BC BASES & COLORS (INCL	DAB	12512016.25	QT	0.25	0.00	13.00	3.25	0.01	18.36	0.01		0.00	0.00	0.00	0.00
PA897 EPOXY PRIMER ACTIVATOR	PA897	12512008	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DIAMONT - BASECOAT BLACK	BC200	12512019	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
Epoxy Catalytic Reducer	18-801A	801A	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DC5100 CTR CLEAR	DC5100	12513878	GA	1.00	0.00	2.00	2.00	0.00	7.20	0.00		0.00	0.00	0.00	0.00
DC5300 CTR BAKING CLEAR	DC5300	12513757	GA	1.00	0.00	4.00	4.00	0.01	16.08	0.00		0.00	0.00	0.00	0.00
DH14 FAST HARDENER	DH14	12513879	GA	1.00	0.00	2.00	2.00	0.00	7.60	0.00		0.00	0.00	0.00	0.00
DH16 NORMAL HARDENER	DH16	12514898	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DH18 SLOW HARDENER	DH18	X90642	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DH 42 RAPID HS HARDENER	DH42	12512559	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DH 42 RAPID HS HARDENER	DH42	12513363	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DH46 LOW VOC DIAMOND HARDENER	DH46	12512252	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
285-81 DRY SAND MS PRIMER FILLER	285-81	X90810	GA	1.00	0.00	3.00	3.00	0.01	12.90	0.00		0.00	0.00	0.00	0.00
352-91 REDUCER- NORMAL	352-91	8229	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
352-500 spot blender reducer	352-500	12514112	0.5 L	0.13	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
929-28/2 URETHANE HARDENER -EXTR	929-28/2	X90809	1/2 GA	0.50	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
929-28/2 URETHANE HARDENER -EXTR	929-28/2	12512839	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DH55 FAST HARDENER	DH55	X90808	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DE18 CHROMATED ETCH PRIMER	DE18	X90807	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
Crystal CB Bases and Colors	CB	12513591	180ML	0.05	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DE49 Yellow Epoxy Primer	DE49	DE49	GA	1.00	0.00	4.00	4.00	0.01	18.00	0.00		0.00	0.00	0.00	0.00
DP20 DIAMOND PRIMER	DP20	12512031	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DP25 POWER FILL 2K PRIMER - WHITE	DP25	X90813	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DA18 DIAMOND ETCHING ACTIVATOR	DA18	12512029	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DP21 2K COLOR-IT PRIMER	DP21	12512030	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
F980 QUICK CURE ACCELERATOR	F980	12513005	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
DS30 CLEAR 2K SEALER	DS30	12512036	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
JET 95 ACCELERATOR	JET95	12512009	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
LC4100 HIGH SOLIDS CLEARCOAT	LC4100	12513542	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
LH410 NORMAL CLEAR HARDENER	LH410	12513962	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
809 FISHEYE ELIMINATOR (pt)	809	12512257	PT	0.13	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
LH420 OVERALL CLEAR HARDENER	LH420	X90640	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
PH36 PRIMER AND SEALER HARDENER	PH36	12512037	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
PH60 DIAMOND HS HARDENER (FAST)	PH 60	12512038	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
PH12 PRIMER SEALER HARDENER	PH12	5277	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
Safety Paint (All Colors)	A11R238	X90997	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
BULLDOG BOND FLEX TIE COAT	TPO0123	12513402	12oz	0.09	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
UA97 POLYUROXY ACTIVATOR	UA97	X14104	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
UBR200 SPOT BLENDER	UBR200	X90555	GA	1.00	0.00	6.00	6.00	0.02	45.00	0.00		0.00	0.00	0.00	0.00

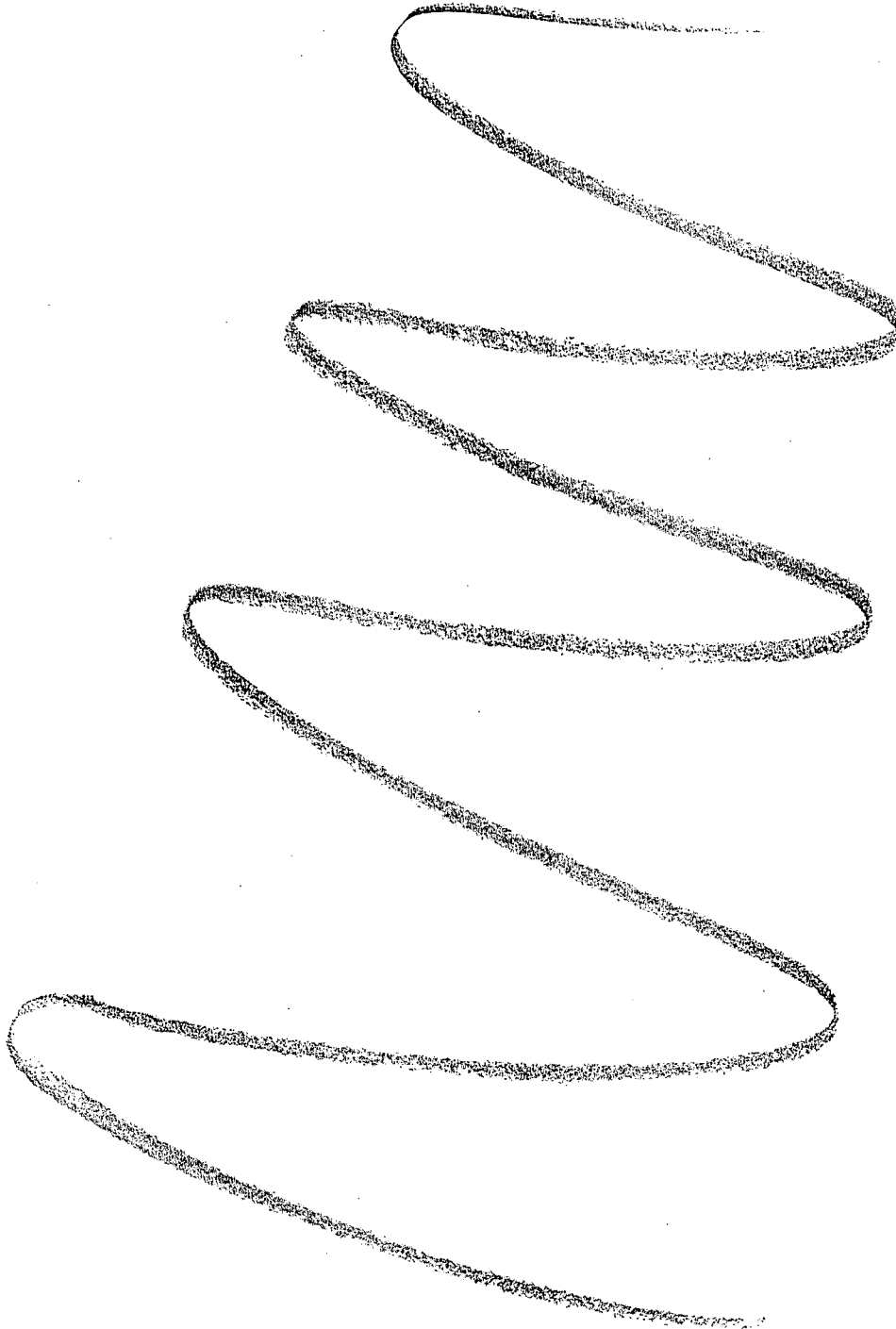


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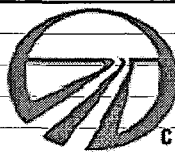
Southwest District  
3804 Coconut Palm Drive  
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Colleen M. Castille  
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**MONACO  
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			Units													
			MCC													
			SKU													
				Gal/	Jun-08	Jul	Intergy Jul-08	Jul-08	Jul-08	Jul-08	Aug	Intergy Aug-08	Aug-08	Aug-08	Aug-08	
MATERIAL	MATERIAL		U.O.M.	UOM	TONS HAPS	Receipts	PURCH	Tons VOC	Pounds VOC	TONS HAPS	Receipts	PURCH	Tons VOC	Pounds VOC	TONS HAPS	
REDUCER UNIVERSAL LOW TEMP	UR40	12511989	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
NP80 NON-ISOCYANATE PRIMER	NP80	18037	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
Texture Spray	4092	4092	20oz	0.11	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
PA80 PRIMER ACTIVATOR (QT)	PA80	18027	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
UR50 UNIVERSAL MID TEMP REDUCE	UR50	12511992	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
UR60 UNIVERSAL HIGH TEMP REDUCE	UR60	12511995	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
UR70 VERY SLOW REDUCER	UR70	18566	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
DR Low VOC Fast Reducer	DR33	12512246	GL	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
VR29 ULTRA LOW VOC REDUCER	VR29	12512249	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
Rust Treatment OSPHO	OSPHO25	OSPHO25	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
Rust Treatment OSPHO	OSPHO1	OSPHO1	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
Gloss Paint - All Colors		X63031	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
GLOSS AEROSOL ( all Colors)		X63031.1	12oz	0.09	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
<b>STAINS AND WOODWORKING MATERIALS</b>					0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
SHER-WOOD KEMVAR CATALYST	V66V21	12513614	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
VINYL FINISH 13OZ CLEAR AEROSOL	M109-ALL	04003660	13 OZ	0.10	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
SHERWOOD GLOSS CONVERSION VAR	T99XXF795	12513634	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
POLYESTER BASECOAT CLEAR T99XX	T99XXC165	12513773	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
TONE FINISH STAIN (ALL COLORS)	M101-XXXX	x05382	13 OZ	0.10	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
DEFT CLEAR WOOD FINISH GLOSS LACQUER		x90724	24oz	0.19	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
Clear Conversion Varnish	V84VH21	x90751	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
Catalyst for V84VH21	V99VX25	12513774	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
Deft Clear Sanding Sealer		X91029	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
Minwax Wood Finish 209	209	x90996	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
Minwax Wood Finish 209	209	x90996	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
Old English Dark	21620	04003838	16oz	0.13	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
WOOD WIPING STAIN -	M545-3596	X90806	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
WOOD WIPING STAIN - LIGHT WALNU	M545-2066	X90804	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
WOOD WIPING STAIN - MEDIUM BROW	M545-2076	X90805	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
WOOD WIPING STAIN - COLONIAL MA	M545-2407	X90801	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
WOOD WIPING STAIN - BROWN MAPLE	M545-2366	X90802	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
WOOD WIPING STAIN - HC DARK FRUIT	M545-4046	X90798	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
WOOD WIPING STAIN - DARK GOLDEN	M545-2206	X90799	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
WOOD WIPING STAIN - LIGHT GOLDEN	M545-4156	X90800	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
WOOD WIPING STAIN - CHERRY	M545-4086	X90796	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
WOOD WIPING STAIN - HC FIDDLETON	M545-1606	X90797	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
WOOD WIPING STAIN - HC FIDDLETON	M102-0420	X05390	20oz	0.19	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
DARK WALNUT FIL-O-WOOD	M741-2014	X90795	1/2 PT	0.06	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
TONE FINISH CLEAR LACQUER (ALL S	02-0420 TO 0	12029998	13 OZ	0.10	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	



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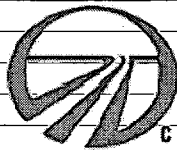
Southwest District  
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				Units												
				MCC												
				SKU												
					Gal/	Jun-08	Jul	Intergy	Jul-08	Jul-08	Jul-08	Aug	Intergy	Aug-08	Aug-08	Aug-08
MATERIAL	MATERIAL		U.O.M.	UOM	TONS HAPS	Receipts	PURCH	Tons VOC	Pounds VOC	TONS HAPS	Receipts	PURCH	Tons VOC	Pounds VOC	TONS HAPS	
<b>CLEANERS/SOLVENTS AND REST BELOW THIS POINT:</b>					0.00		12.00	0.04	75.60	0.00		0.00	0.00	0.00	0.00	
S-0170B SOLVENT BLEND THINNER	S-0170B	12512014	DRUM	55.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
3M BRAND ADHESION PROMOTER 639	06396	90575	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
CRC Carb Cleaner	05081	S04007619	20oz	0.16	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
ONE SHOT PLUS VOC CLEANER	P20635	X90940	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
SPEEDY 500 ADHESIVE REMOVER	60175	S04004295	15 OZ	0.12	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
POLYGRIT CLEANER	P10642	X90922	12oz F	0.09	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
Cleaner Final Wipe	909	12512002	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
39803 CLEAR CHIP GUARD	39803	X90695	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
ST10 LACQUER THINNER	ASST10-5	X90803	FV	5.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
ST10 LACQUER THINNER	ASST10-55	X90803	DR	55.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
ST6 LACQUER THINNER	st6-5	X90643	fv	5.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
ST6 LACQUER THINNER	ASST6-55	X90643	53 DR	53.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
VINYL & PLASTIC CLEANER QT	80265	X90653	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
CAMPER CLEANER /KAMPER CLEANER	38-8818	05346	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
ORANGE ELIMINATOR SPOT REMOVER	51997	X90431	14 OZ	0.11	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
ROMOVALL GRAFFITI AND OVERSPRA	400	X90648	1 GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
SUPERVISION GLASS CLEANER		X90681	17oz	0.13	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
STAPUT ADHESIVE REMOVER AEROSOL		X05381	15 OZ	0.12	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
900 PRE-KLEANO	900	12511998	GA	1.00	0.00	12.00	12.00	0.04	75.60	0.00		0.00	0.00	0.00	0.00	
901 PRE-PAINT CLEANER	901	12512245	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
902 PLASTIC PREP CLEANER	902	04008531	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
CITRUS DEGREASER	60275	90096	19.75 oz	0.15	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
GOOF OFF SPRAY PUMP	GO 3063	04004231	12oz	0.09	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
3M HIGH POWER BRAKE CLEANER	08880	04006632	20oz	0.16	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
3M BRAKE CLEANER 21 PN08180	08180	X90323	4OZ 12/C	0.03	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
GOO GONE ALL PURPOSE CLEANER	38-8559	X90099	24 OZ	0.19	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
ACRYSOL BODY SOLVENT 16OZ NW	60170	S12511894	16 OZ	0.13	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
CRC BATTERY CLEANER		X90332	2oz 12/c	2.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
ABS CLEAR CLEANER	88-7786	12511795	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
<b>BUFFS &amp; POLISHES</b>					0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
3M PERFECT-IT III EXTRA CUT COMPOUND 05936	05936	12513092	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
3M Perfect-It xtra Cut Rubbing Compou	06060	04009743	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
3M FINESSE-IT II FINISHING MATERIAL	5928	12513419	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
3M FINESSE-IT II FINISHING MATERIAL	5928	1205	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
Perfect It Swirl Remover	6064	04009736	QT	0.25	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
3M Perfect-It xtra Cut Rubbing Compou	05974	12512087	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
3M PERFECT IT III EXTRA CUT COMPO	05940	04007200	GA	1.00	0.00		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	



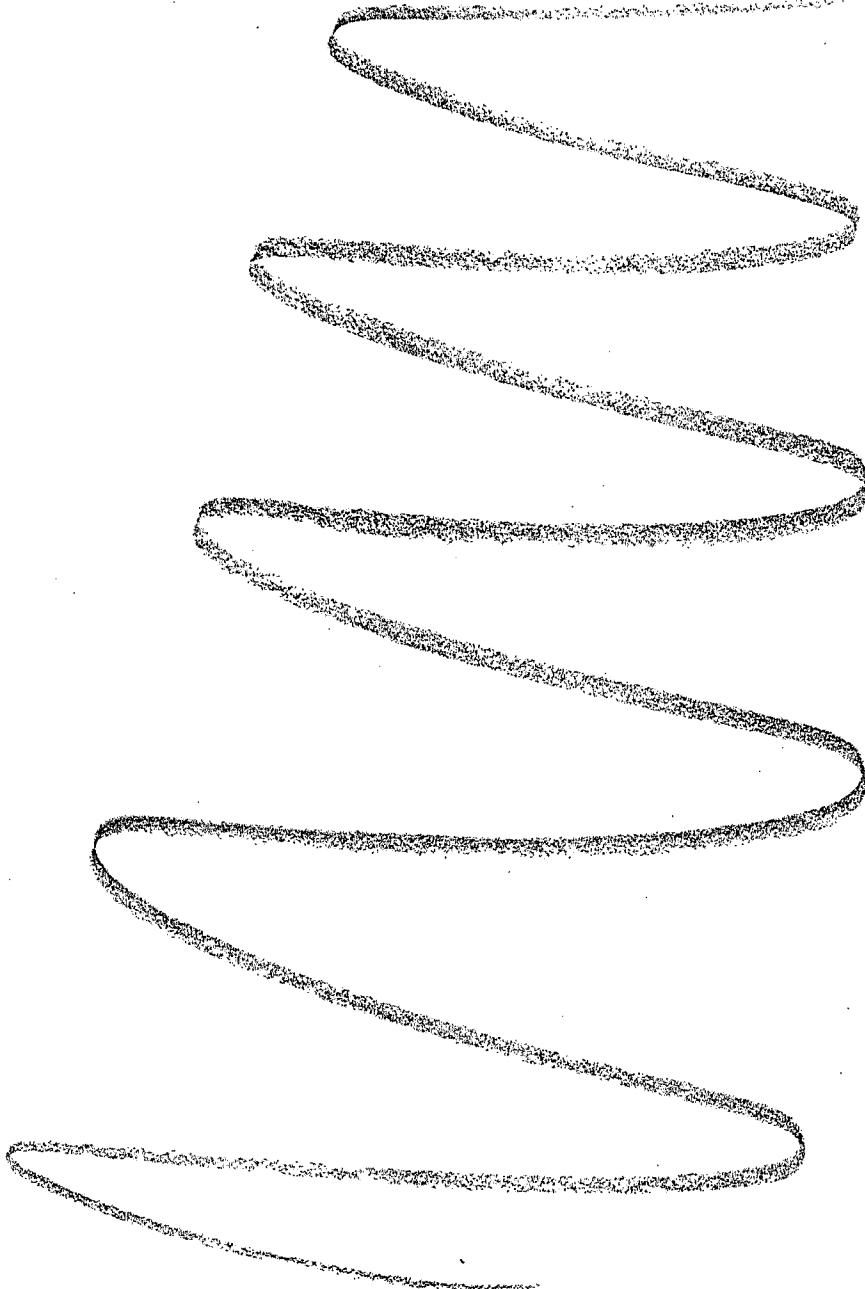


Jeb Bush  
Governor

# Department of Environmental Protection

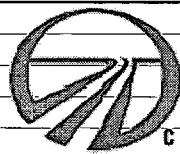
Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

Colleen M. Castille  
Secretary



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**MONACO  
COACH  
CORPORATION**

			Units													
			MCC													
			SKU													
				Intergy												
				Intergy												
MATERIAL	MATERIAL		Gal/	Jun-08	Jul	Jul-08	Jul-08	Jul-08	Jul-08	Aug	Aug-08	Aug-08	Aug-08	Aug-08		
NAME	ID NUMBER	U.O.M.	UOM	TONS HAPS	Receipts	PURCH	Tons VOC	Pounds VOC	TONS HAPS	Receipts	PURCH	Tons VOC	Pounds VOC	TONS HAPS		
3M PERFECT-IT III FINISHING GLAZE	5941	X14094	GA	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
FIBRE-GLASS EVERCOAT METAL GLAZ	FGE-415		GA	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
<b>MISC:</b>					0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
LEAK TRACE POWDER 7 OZ NW	20165	12700117	7 OZ	0.05	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
NXT Generation Tech Wax	G127	G127	18oz	0.14	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
ANTIFREEZE	WB40	12202070	GA	1.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
COLOR PUTTY		04003645	LBS	0.06	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
FREEZE BAN ANTIFREEZE	RV-30765E	12514055	GA	1.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
<b>LUBRICANTS, OILS, ATF, AND GASES</b>					0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
CITGO TRANSGUARD ATF DEXRON III/MERCON AT		12512828	GA	1.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
CITGO TRANSGUARD ATF DEXRON III/MERCON AT		12512828.25	QT	0.25	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
TEF-LUBE 937	937	X90880	6 OZ W	0.13	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
TRI-FLOW TEFLON LUBRICANT 6OZ	20005	x90226	6 oz	0.05	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
CASTROL R-134A ESTER OIL		X90884	GA	1.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
Motor Oil 20W50	20W50	20W50-1	GL	1.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
Motor Oil 20W51	20W50	20W50-25	QT	0.25	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
WHITE LUBE LITHIUM GREASE	21911	12512685	12OZ	0.09	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
Hydraulic Fluid	AW68	AW68	QT	0.25	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
Heavy Duty Brake Fluid		04007064	Qt	0.25	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
SUPER SLIDE DRY LUBE 10.25 OZ NW	50077	X14045	10.25 OZ	0.08	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
CHEVRON TEGRA SYTHETIC GEAR OIL	75W90	X80001	GA	1.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
WD40 12 OZ SPRAY	WD-40	04003848	12oz	0.094	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
HAZARDOUS WASTE-RECLAMATION S	WASTE		DRUMS	-55.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		
<b>TOTAL USAGE</b>					0.05	112.99	0.29	570.45	0.10		0.00	0.00	0.00	0.00		
GASES (STANDARD AIR DENSITY = 1.229 KG/M <sup>3</sup> OR 0.07676 LBS/FT <sup>3</sup> )																
PROPANE			GA	1.00	0.00	0.00			0.00		0.00			0.00		
OXYGEN 337			CYL	1.00	0.00	0.00			0.00		0.00			0.00		
FREON SUBSTITUTE	134A		30 LB CY	1.00	0.00	0.00			0.00		0.00			0.00		
ARGON			CYL	1.00	0.00	0.00			0.00		0.00			0.00		
BLUESHIELD GAS MIX #23	#23	X90639	CYL	1.00	0.00	0.00			0.00		0.00			0.00		
ACETYLENE			CYL	1.00	0.00	0.00			0.00		0.00			0.00		
WELD WIRE																

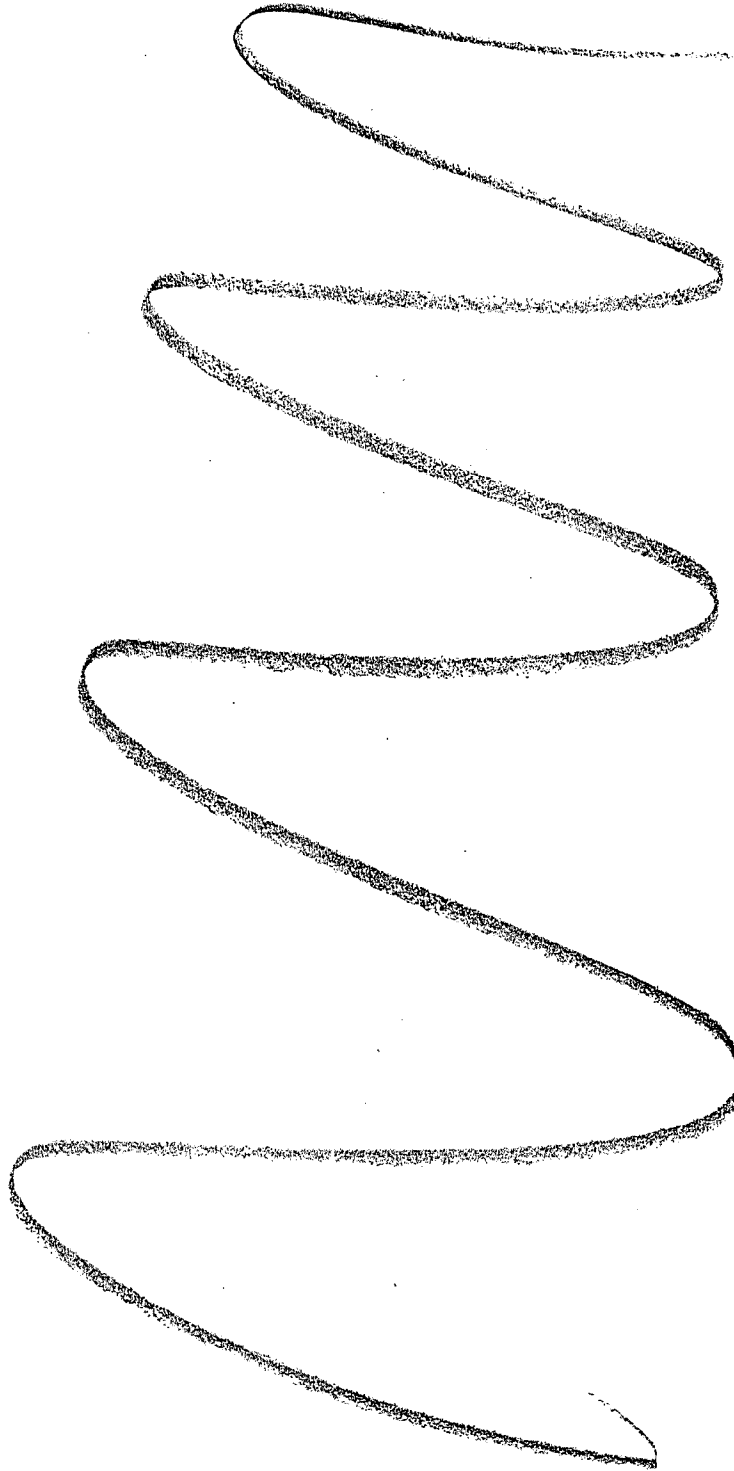


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