



Florida Department of Environmental Protection

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

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

January 21, 2009

Mr. David Shefman
Benalexica, Incorporated
MAACO Collision Repair And
Auto Painting
4601 West Gandy Boulevard
Tampa, Florida 33611

Dear Mr. Shefman:

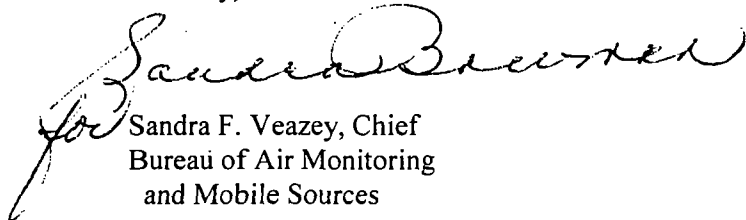
This is to acknowledge that your notification of intent to use the authority of Rule 62-210.310 to operate your facility was received on December 19, 2008. We have assigned ARMS No. 0571403-001 to this facility.

As you know, pursuant to Florida Statutes section 403.814, authority to operate under general permits commences thirty (30) days after receipt of the registration form unless you have been notified by this office that your facility has not shown entitlement to operate pursuant to the rule provisions.

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

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

Sincerely,


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

SFV/pg

RECEIVED
DEC 23 2008
Bureau of Air Monitoring
& Mobile Sources

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

Part II. Notification to Permitting Office

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

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

0571403-001

Registration Type

Check one:

INITIAL REGISTRATION - Notification of intent to:

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

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

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

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

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

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

General Facility Information

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

David Shefman, Benalexica, Inc.

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

MAACO Collision Repair and Auto Painting

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

Street Address: 4601 West Gandy Boulevard

City: Tampa

County: Hillsborough

Zip Code: 33611

ORIGINAL PLUS
3 COPIES

Facility Start-Up Date (Estimated start-up date of proposed **new** facility.)(N/A for existing facility)
May, 2009

Owner/Authorized Representative

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

Print Name and Title: David Shefman, Owner

Owner/Authorized Representative Mailing Address

Organization/Firm: Benalexica, Inc. dba MAACO Collision Repair and Auto Painting

Street Address: 218 North Bay Hills Boulevard

City: Safety Harbor

County: Pinellas

Zip Code: 34695

Owner/Authorized Representative Telephone Numbers

Telephone:

Fax:

Cell phone (optional): 727 599 1031

Facility Contact (If different from Owner/Authorized Representative)

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

Print Name and Title:

Facility Contact Mailing Address

Organization/Firm:

Street Address:

City:

County:

Zip Code:

Facility Contact Telephone Numbers

Telephone:

Fax:

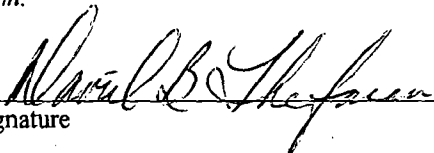
Cell phone (optional):

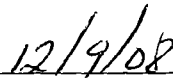
Owner/Authorized Representative Statement

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

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

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


Signature


Date

Material Usage Rates

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

34 lbs/day

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

Description of Facility

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

Benalexica, Inc., dba MAACO Collision Repair and Auto Painting, is an auto body shop used for the refinishing and resurfacing of automobiles. This facility is installing a Garmat 42106 Paint Spray booth. The paint spray booth is a pressurized semi-downdraft booth with glass fiber filtration media (99.5% efficiency) for particulate control. The booth contains a 997,000 Btu natural gas fired burner. The emissions from the equipment will consist of VOC's and a small amount of particulate after filtration. Criteria pollutants from the combustion of natural gas are also emitted. (Detailed emission calculations are attached) The applicator is a high efficiency gravity feed gun that provides equal or better efficiency of transfer than HVLP. A Hercules GW/R-T totally enclosed gun washer will also be used for cleanup.

This equipment meets the criteria for the MACT standard 40CFR Part63 subpartHHHHHH

Initial Notification

INITIAL NOTIFICATION
Paint Stripping and Miscellaneous Surface Coating
Area Source Rule
Subpart HHHHHH
40 CFR 63.11169 – 63.11180

1. **Company Name (if applicable)** Benalexica, Inc. dba MAACO Collision Repair and Auto Painting

2. **Information about the owner and operator:**

a. Owner's Name and Title David Shefman, Owner

Owner's Street Address 218 N. Bay Hills Blvd. Safety Harbor FL 34695
Street City State Zip

Owner's telephone number (727) 599 1031 cellular

Owner's email (if available) dshefman@msn.com

Is the Operator the same person as the Owner? Yes No

If the Operator information is different please provide the following (Attach a list with the same information for additional operators):

b. Operator's Name and Title _____

Operator's Street Address _____
Street City State Zip

Operator's telephone number _____

Operator's email (if available) _____

Is there any other certifying company official that will sign this form? Yes No

If Certifying Official information is different please provide the following:

c. Certifying Official's Name and Title _____

Certifying Official's Street Address _____
Street City State Zip

Certifying Official's telephone number _____

Certifying Official's email (if available) _____

3. **The street address (physical location) of the affected source**

4601 W. Gandy Blvd. Tampa FL 33611
Street City State Zip

Are the compliance records located at the same location? Yes No

If the location of compliance records is different please provide street address:

Street City State Zip

Is the source a motor vehicle or mobile equipment surface coating operation that repairs vehicles at the customer's location, rather than at a fixed location?

Yes No

4. **Identification of Standard (you must check this box):**

Yes, I am subject to 40 CFR Part 63 Subpart HHHHHH, National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Source; Final Rule

5. **A brief description of the type of operation:**

For Surface Coating Operations

- a. I am a:
 - Motor Vehicle or Mobile Equipment Surface Coating Operation
 - Miscellaneous Surface Coating Operation
- b. Number of spray booths 1
- c. Number of preparation stations 0
- d. Number of painters usually employed 1

For Paint Stripping Operations

- a. Methods of paint stripping employed (check all that apply)
 - Chemical
 - Mechanical
 - Other (please describe) _____
- b. Substrates stripped (check all that apply)
 - Wood
 - Plastic
 - Metal
 - Other (please describe) _____

6. **Methylene Chloride (MeCl) Used by Paint Stripping Operations**

Do you plan to use more than 1 ton of MeCl annually? Yes No

7. **Compliance Status, please check one:**

For paint stripping operations, the relevant requirements that you must evaluate in making this determination are specified in 40 CFR 63.11173(a) through (d) of this subpart. For surface coating operations, the relevant requirements are specified in 40 CFR 63.11173(e) through (g) of this subpart.

- I am already in compliance with each of the relevant requirements
- I will be in compliance with each of the relevant requirements by the compliance date

New Source (after Jan 9, 2008) Compliance date is date of startup

New Source (after September 17, 2007 but before January 9, 2008) Compliance date is January 9, 2008

Existing source (before September 17, 2007) Compliance date is January 10, 2011

8. **Certification of compliance status**

You must check one:

Note: Initial startup is the first time equipment is brought online in a paint stripping or surface coating operation, and paint stripping or surface coating is first performed.

- I am a new source (Initial startup was on or after January 9, 2008) Date Projected 5-2009
- I am a new source (Initial startup was after September 17, 2007 but before January 9, 2008) Date _____

If your source is a new source, a responsible official, whose information is provided above, must certify by signing below that the source is in compliance with each of the relevant requirements of this subpart.

- I am an existing source (Initial startup was before September 17, 2007) Date _____

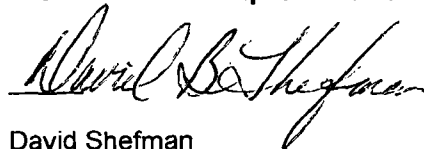
If your source is an existing source, a responsible official, whose information is provided above, may certify below that the source is already in compliance with each of the relevant requirements of this subpart or certification may be done by March 11, 2011 in the Notification of Compliance Status as specified in 40 CFR Section 63.11175(b)

- I am certifying below
- I will certify by March 11, 2011

(There is no need to sign below, you must sign a statement by March 11, 2011)

I certify the truth, accuracy, and completeness of this notification. The source has complied with all the relevant standards of this subpart. This initial notification also serves as the notification of compliance status.

Signature of responsible official: owner / operator (circle one)



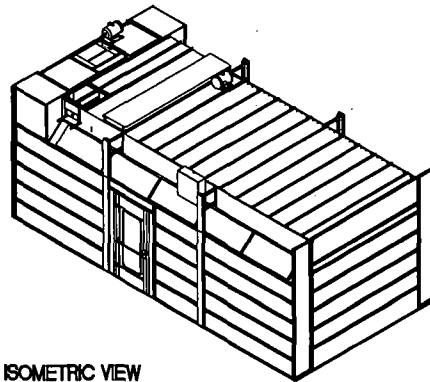
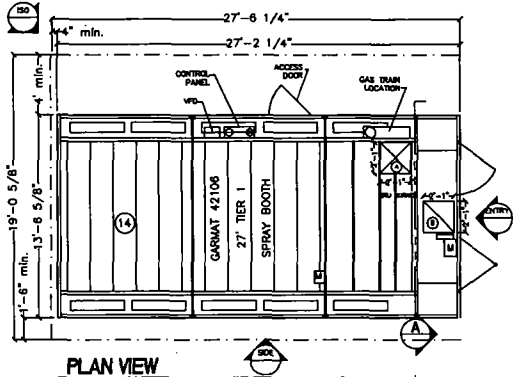
Please Print Name Also

David Shefman

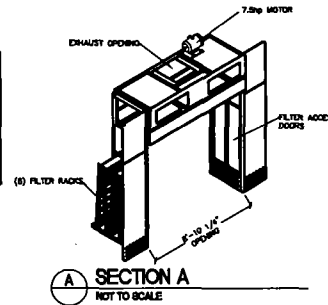
Drawing and Specifications

PRESSURIZED SEMI-DOWNDRAFT SPRAY BOOTH GAS FIRED OVEN

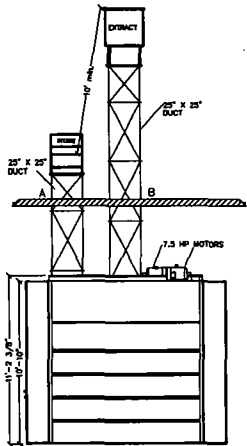
Manufacture	Type		Model #	Dimensions
GARMAT TIER 1 BOOTH or Equivalent	Pressurized Semi-Down Draft Spray Booth Exhaust: 25" x 25" 7.5 HP, 3 Phase. 10,000 CFM's. Exhaust Fan Make: NICONTRA, Model # 632N49W. Exhaust Fan Motor: Make & #, BALDOR, M3710T Air Intake Unit: 25" x 25" 7.5 HP, 3 Phase. 10,000 CFMs BTUs: 997,000 NATURAL GAS			13' - 6 5/8" x 27' 1 3/4"
Exhaust Filter Info	Spray Booth - Glass Fiber Media, 99.5% efficiency	SUPERIOR	PA - 21	8) 59.5" x 24"
Intake Filter Info	Spray Booth - Thermally bonded & impregnated in full depth to prevent release of fibers & migration of particles larger than 5 microns. 99.5% efficiency	FILTRAIR	CC 600 G	8) 38.5" x 61.42"
Hercules	Gun Washer		G200	
DeVilbiss	HIGH EFFICIENCY GRAVITY FEED		GFG-670 Plus Gravity Gun	



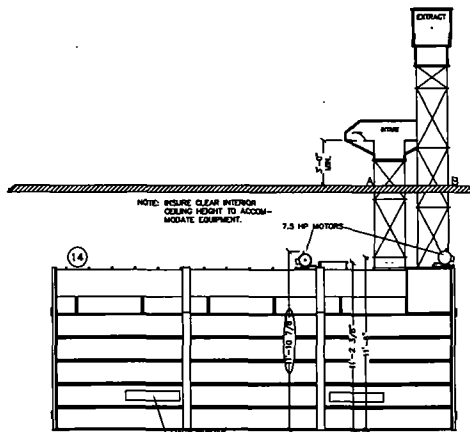
ISOMETRIC VIEW
NOT TO SCALE



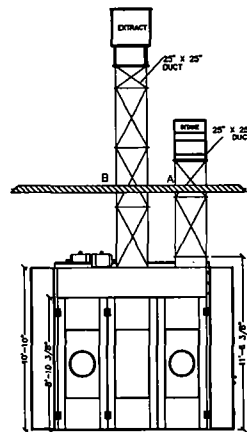
SECTION A
NOT TO SCALE



REAR WALL ELEVATION
NOT TO SCALE



SIDE ELEVATION
NOT TO SCALE



ENTRY ELEVATION
NOT TO SCALE

SPRAY BOOTH:
FILTERS: Booth Ceiling, Fibre CCR00 C media, 99.0% efficiency, thermal, installed and impregnated in full depth to prevent release of fibers and migration of particles larger than 5 microns.
 Booth Exhaust, Fibre Pak Airer, glass fiber media, 99.5% efficiency, 4 self-sealing racks located in each of the two exhaust towers.
FANS: Booth Intake: 1 Dual 350 Spark Arresting Reverse Incline Fan with 7.5hp Motor.
 Booth Exhaust: 1 Single 400 Spark Arresting Reverse Incline Fan with 7.5 HP Motor.
 CFM: 10,000

THE GARMAT 42106 27' TIER 1 SPRAY BOOTH WILL REQUIRE:

1. AT ELECTRICAL DROP LIGHTING (14, 4-TUBE INTERIOR ACCESSIBLE LIGHT FIXTURES) WILL REQUIRE TWO (2) 20amp, SINGLE PHASE CIRCUITS STANDARD, OR TWO (2) 27v, 10amp SINGLE PHASE CIRCUITS. OPTIONAL UPGRADED LIGHTING WILL REQUIRE AN ADDITIONAL LIGHT CIRCUIT.
2. AT ELECTRICAL DROP THE MOTORS WILL REQUIRE 208/240/480V (75% OUTSIDE OF USA), 60/50/60hzmp, THREE PHASE SERVICE FOR TWO 7.5hp MOTORS STANDARD.
3. ALL ELECTRICAL CONNECTIONS SHOULD BE IN ACCORDANCE TO THE CURRENT NEC (NATIONAL ELECTRICAL CODES). VERIFY COMPLIANCE OF LOCAL CODES WITHIN THE JURISDICTION OF THE INSTALLATION SITE.
4. ALLOW ADEQUATE CLEARANCE OF 3' MINIMUM FROM ALL SPARKING ELECTRICAL COMPONENTS, TO CONFORM TO THE CURRENT NFPA (NATIONAL FIRE PROTECTION ASSOCIATION) 33, EDITION.
5. REMOTE CONTROL PANEL, TO BE PLACED WITHIN 20' OF MAIN ELECTRICAL PANEL AND NOT TO BE WITHIN 3' OF BOOTH OPENING, IN COMPLIANCE WITH THE CURRENT NEC EDITION.
6. SUPPLY 100 PSI COMPRESSED AIR TO MAIN GARMAT CONTROL PANEL, INCLUDING SHUT OFF VALVE (NOT SUPPLIED), CLEAN AND DRY AIR IS REQUIRED BEFORE THE SPRAY BOOTH CONTROL PANEL. A QUALITY AERATOR (NOT SUPPLIED) CAPABLE OF A CONSTANT 17 CFM SHALL BE INSTALLED PRIOR TO MAIN CONTROL PANEL. AN ADJUSTABLE PRESSURE REGULATOR (NOT SUPPLIED) CAPABLE OF A CONSTANT 17 CFM AT 60 PSI IS RECOMMENDED PRIOR TO ENTERING THE SPRAY BOOTH CABIN (DO NOT MOUNT REGULATORS OR AIR FILTERS INSIDE THE BOOTH CABIN).
7. BURNER SIZE: 997,000 btu
8. SUPPLY GAS PIPING TO GAS TRAIN, INCLUDING UNION AND DRIP LEG (1/4" CONNECTION AT GAS TRAIN INLET). (RECOMMENDED DEDICATED LINE FROM METER WHEN POSSIBLE). GAS PRESSURE MUST BE A MINIMUM OF 1/4" psi (7" w.c.) AND A MAXIMUM OF 3/4" psi (21" w.c.). CAPACITY TO PROVIDE FOR 997,000 BTU BURNER, VENTING OF REGULATOR AND VALVES ON GAS TRAIN TO THE EXTERIOR OF BUILDING - MINIMUM OF 10' FROM INTAKE.
9. LEVEL FLOOR +/- 1/8"
10. ALLOW ADEQUATE SPACE AROUND THE BOOTH IN ACCORDANCE TO THE CURRENT NFPA 33, EDITION.
11. MEANS OF EGRESS TO CONFORM TO THE CURRENT NFPA 101, EDITION.
12. A MINIMUM CLEARANCE OF 20' IS REQUIRED FROM FRONT OF THE BOOTH TO ANY WALL OR OBSTACLE FOR OPTIMUM TURNING RADIUS.
13. HEIGHT OF BOOTH IS 11'-2 3/8", HIGHEST POINT IS 12'-4 1/4". INSURE 13' CLEARANCE AT ALL MOTOR AND DAMPER LOCATIONS.
14. PROVIDE FOR UNOBSTRUCTED EXPLOSION RELIEF IN ACCORDANCE TO THE CURRENT NFPA 86, EDITION.
15. AN APPROVED AUTOMATIC FIRE EXTINGUISHING SYSTEM SHALL BE PROVIDED BY OTHERS, IN ACCORDANCE TO THE CURRENT NFPA 33, EDITION.

LEGEND

- ⊖ ELECTRICAL DROP
- M MOTOR LOCATION
- ⊗ AIR INLET
- AIR FLOW TO BOOTH CABIN FROM MECHANICAL UNIT
- GAS TRAIN INLET
- Ⓐ 2'-1" x 2'-1" INTAKE OPENING
- Ⓑ 2'-1" x 2'-1" EXHAUST OPENING

CAROL NELSON
 Drawn by: _____
 Approved by: _____
 Title: _____

Copyright © 2002
 GARMAT USA, INC.
 1401 W. STANFORD AVE.
 ENGLEWOOD, CO 80110

FAX (303)781-2483
 PHONE (303)781-6602

ALL EQUIPMENT IS DESIGNED EXPRESSLY FOR THE REMOVAL OF PARTICULATE MATTER ONLY. REDUCTION OF VOLATILE ORGANIC COMPOUNDS REQUIRES EITHER COATING INFORMATION OR OPTIONAL ADDITIONAL EQUIPMENT.

CERTIFIED US

THIS DRAWING IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF GARMAT USA, INC.

EQUIPMENT PLAN VIEW, ELEVATIONS
 ISOMETRIC AND SPECIFICATIONS
 COMPUTER GENERATED DRAWING FOR:
 MAACO - TAMPA, FL

MODIFIED 42106M271AT
 STATUS - PERMIT
 REVISION - 0
 SHEET SIZE - D

DATE 11/28/08 SHEET NO. 2 OF 2
 SCALE 1/4"=1' A

ALL DATA IS ISSUED FOR INFORMATION ONLY. YOU SHOULD USE THIS DATA FOR REFERENCE PURPOSES ONLY TO ASSIST IN COORDINATING YOUR WORK AND IS SUPPLEMENTARY TO FORMALLY ISSUED PAPER DRAWINGS. IN ALL INSTANCES THE CONTRACT DRAWINGS GOVERN. IT IS THE RESPONSIBILITY OF THE RECIPIENT TO CHECK ALL DIGITAL INFORMATION AGAINST THE CONTRACT DOCUMENTATION. GARMAT USA, INC. ACCEPTS NO LIABILITY OR RESPONSIBILITY FOR ANY LOSS DAMAGE SUFFERED AS A RESULT OF (OR IN CONNECTION WITH) THE USE OR MISUSE OF THE COMPUTER AIDED DESIGN (CAD) DATA SUPPLIED FOR INFORMATION ONLY. ONCE THE DATA IS INTRODUCED INTO YOUR OWN CAD OR OTHER SYSTEM, GARMAT USA, INC. CAN TAKE NO RESPONSIBILITY FOR ITS ACCURACY.

STM738A0

PAINT ARRESTANCE FILTER TEST REPORT

Spray Removal Efficiency & Paint Holding Capacity

Tested for: Superior Glass Fibers
 Filter Mfr.: Superior
 Filter Name/Model: PA-21
 Report#/Test#: R026 T061
 Report Date: Oct. 7, 1996

Test Information

FILTER DESCRIPTION:

white fiberglass w/ thin blue fiberglass backing layer

PAINT DESCRIPTION:

High Solids Baking Enamel (S.W.#1 Permaclad 2400, red)

PAINT SPRAY METHOD:

Conventional Air Gun at 40 PSI

SPRAY FEED RATE:

141 gr/min 130 cc/min

AIR VELOCITY:

150 FPM

Test Results

INITIAL PRESSURE DROP of Clean Test Filter

0.04 in. water

INITIAL PRESSURE DROP of Loaded Test Filter

0.51 in. water

WEIGHT GAIN on TEST FILTER & Test Frame Trough

3278 grams

PAINT HOLDING CAPACITY of TEST FILTER

2185 grams - 4.8 lbs.

PAINT RUN-OFF

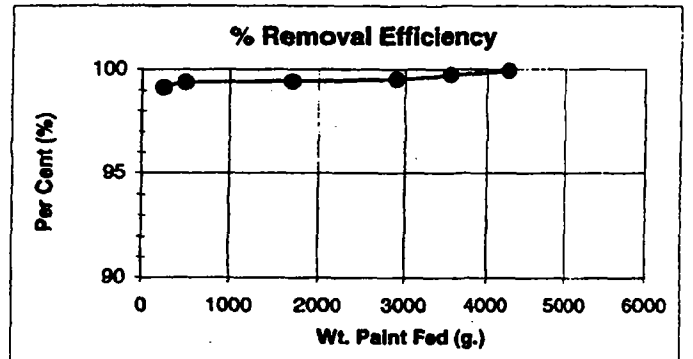
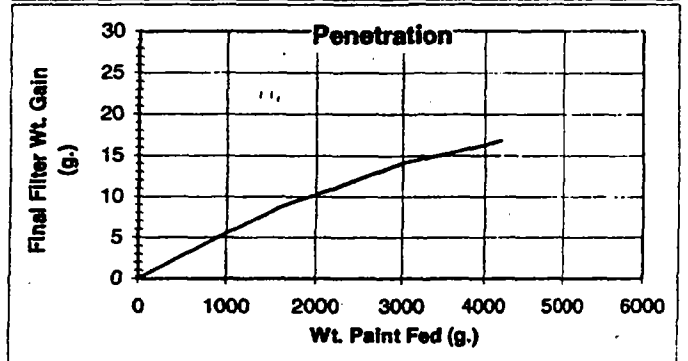
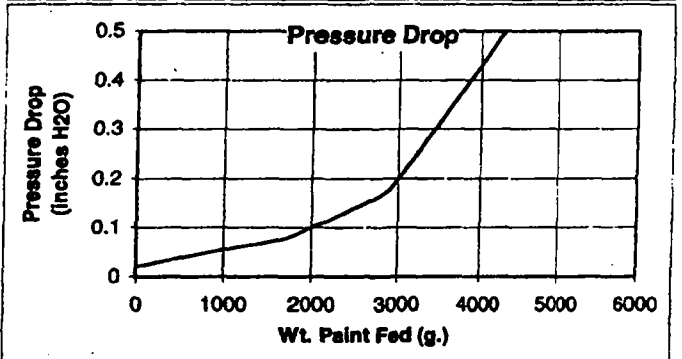
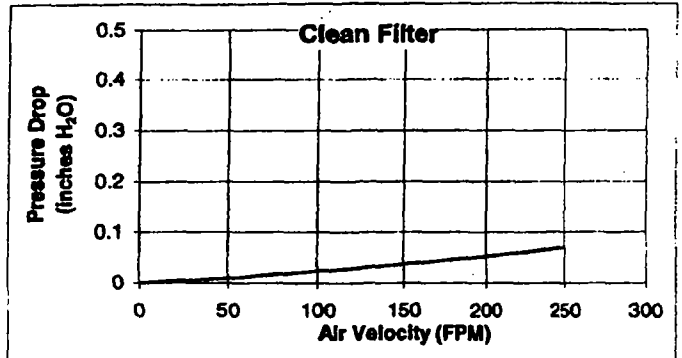
1159 grams

WEIGHT GAIN - FINAL FILTER

16.8 grams - PENETRATION

AVERAGE REMOVAL EFFICIENCY OF TEST FILTER

99.5%



Test Engineer: P. Tuzinski
 Supervising Engineer: K.C. Kwik, Ph.D.

LMS Technologies, Inc.
 6423 Cecilia Circle
 Bloomington, MN 55439-2717

Tel: (952) 918-9060

Fax: (952) 918-9061

Herkules

Does Them All...



ONE MINUTE
AUTOMATIC... SAVES
AN HOUR A DAY

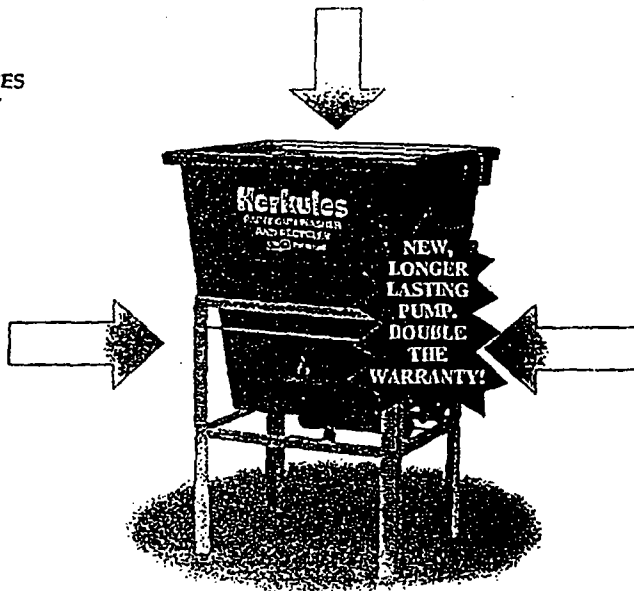
HVLP, SIPHON,
GRAVITY, PRESSURE
SPRAY GUNS



SPRAY NOZZLES CLEAN
INSIDE AND OUTSIDE OF
PAINT EQUIPMENT



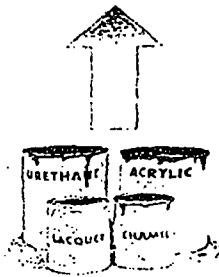
PRESSURE POTS AND
PAINT LINES



CUPS, PAINT CANS,
STRAINERS



ENCLOSED AND
AUTOMATIC FOR LESS
VOC EMISSIONS AND
SKIN CONTACT



LAQUER TO
WATERBORNE MATERIALS

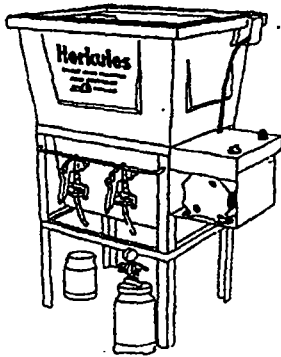


75% LESS SOLVENT
USE. LESS PICKUP
NO COSTLY RENTAL

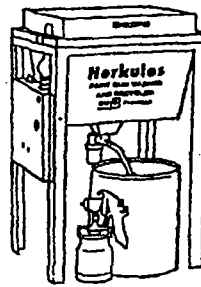
Faster, Cleaner, Safer...

and For Less

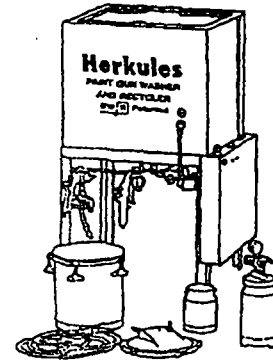
Herkules, the recommended Paint Gun Washer for Faster 'n Better body shops.



GW/R-T



0500 (MINI GW/R-T)



GW/R-3-100-SS-T

PLASTIC TANK — PAINT GUN WASHERS

	GW/R-T	GW/R-SC FM	0500 (MINI GW/R-T)	GW/R-2-T AND 0505 (MINI)	GW/R-3-T
CLEANING SOLUTIONS:	Lacquer Thinner	Lacquer Thinner	Lacquer Thinner	Lacquer Thinner or Water Based	Lacquer Thinner
CLEANS:	2 guns — 2 cups 2 qt. pots to 14" Accessories	2 guns — 2 cups 2 qt. pots to 14" Accessories	1 gun — 1 cup 2 qt. pots to 13" Accessories	GW/R-2-T cleans 2 guns, cups 0505 cleans 1 gun, cup Accessories	2 guns — 2 cups 2 qt. pots to 14" 5 gal. cans Paint Lines Accessories
PUMP:	Diaphragm	Piston w/Safety Can	Diaphragm	Diaphragm	Diaphragm
FILTER/REG.:	Yes	..	Yes	Yes	Yes
TIMER:	Yes	—	Yes	Yes	Yes
OILER:	Not Required	Yes	Not Required	Not Required	Not Required

STAINLESS STEEL TANK — PAINT GUN WASHERS

	GW/R-SDS-T	GW/R-SDS-TR	GW/R-100-SS-T	GW/R-3-100-SS-T	GW/R-200-SS-T (DOUBLE SS TANK)
CLEANING SOLUTIONS:	Lacquer Thinner	Lacquer Thinner	Lacquer Thinner or Water Based	Lacquer Thinner or Water Based	Lacquer Thinner or Water Based
CLEANS:	2 guns — 2 cups 2 qt. pots to 15" Accessories	2 guns — 2 cups 2 qt. pots to 15" Accessories	2 guns — 2 cups 2 qt. pots to 15" Accessories	2 guns — 2 cups 2 qt. pots to 15" 5 gallon cans Paint Lines Accessories	4 guns — 4 cups 2 qt. pots to 15" Accessories
PUMP:	Diaphragm	2 Diaphragms	Diaphragm	Diaphragm	Diaphragm
FILTER/REG.:	Yes	Yes	Yes	Yes	Yes
TIMER:	Yes	Yes	Yes	Yes	Yes
RINSE CYCLE:	..	Yes
LID OPENER:	Yes	Yes	..



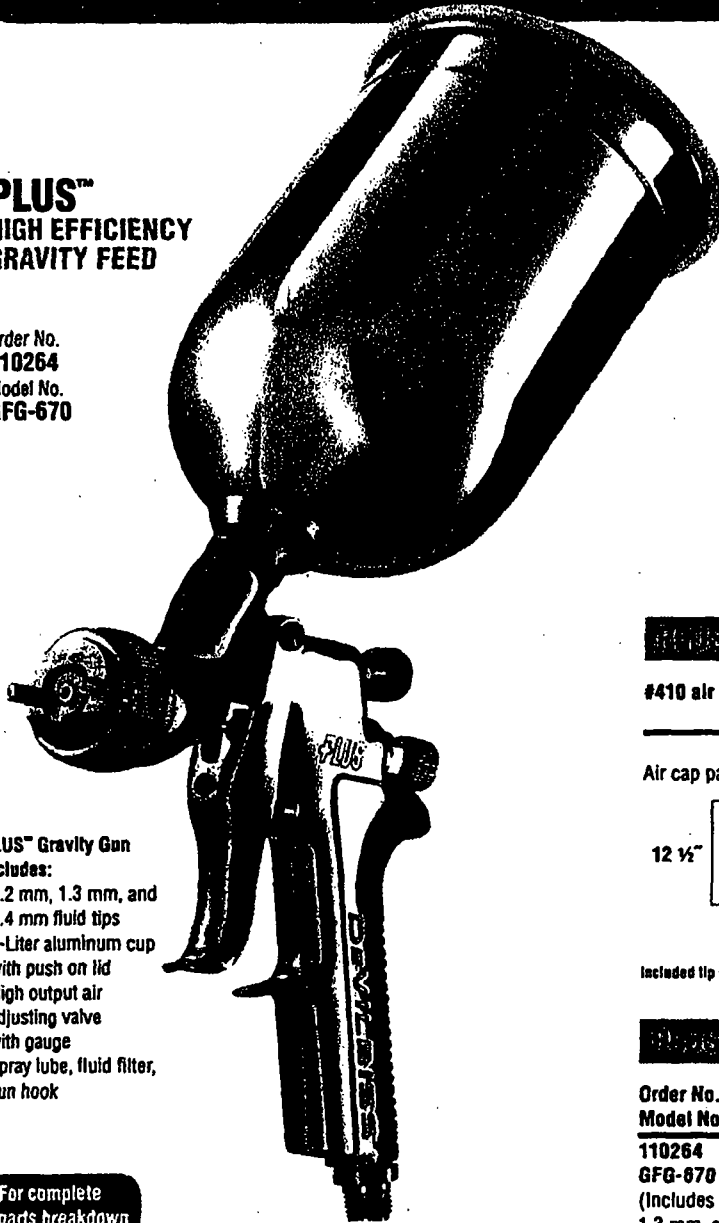
Herkules

2760 Ridgeway Court • Walled Lake, MI 48390-1662
810-960-7100 • 1-800-444-4351 • Fax 810-960-7109

GW/R-0505

**PLUS™
HIGH EFFICIENCY
GRAVITY FEED**

Order No.
110264
Model No.
GFG-670



**PLUS™ Gravity Gun
Includes:**

- 1.2 mm, 1.3 mm, and 1.4 mm fluid tips
- 1-Liter aluminum cup with push on lid
- High output air adjusting valve with gauge
- Spray lube, fluid filter, gun hook

For complete parts breakdown please see page 37

Experience the Power of PLUS...

- **Powerful atomization** – twice the energy available in HVLP guns
- **Powerful productivity** – super fast fluid flow for high speed painting
- **Powerful efficiency** – equal to or better than HVLP transfer efficiency

#410 air cap Primers, base coats, clearcoats, single stage and low VOC

Air cap pattern	30-40 PSI Gravity Tips:	9-11 CFM 1.0 mm, 1.2 mm, 1.3 mm, 1.4 mm, 1.6 mm, 1.8 mm
12 1/2"		
	Air Cap Order No.	192174
	Air Cap Model No.	AV-440-410

Included tip sizes shown in bold

Order No. Model No.	Fluid Tip (mm)	Inlet Air Pressure	Applications
110264 GFG-670 (Includes 1.2 mm, 1.3 mm, and 1.4 mm fluid tips)	1.2 & 1.3	25-35 PSI 30-40 PSI 30-40 PSI 25-30 PSI	Base coats High solids clearcoats Single stages Waterbornes
	1.4	30-40 PSI 30-40 PSI	Low solids clearcoats Single stages

ACCESSORIES

120175
GFC-502
1-Liter aluminum
gravity cup



802187
DGI-501-PSI
Digital pressure gauge



130095
HAF-507-K2
Whirlwind filter



192246
8XX-1250
Single gun case



220052
HA-5867
1/4" HVLP air hose
assy. (35')





South Coast Air Quality Management District
21865 Copley Dr
Diamond Bar, CA 91765
(909) 396-2000 www.aqmd.gov

August 9, 2002

Mr. Mark Charpie
Manager – Research and Engineering
ITW Automotive Refinishing
1724 Indian Wood Circle
Maumee, OH 43537-4048

Dear Mr. Charpie:

Subject: Rule 1151 Transfer Efficiency Approval of ITW DeVilbiss GFG-670 (Plus) Spray Gun

The South Coast Air Quality Management District has completed our review of your report entitled "Evaluation of the DeVilbiss Plus spray gun for use in the SCAQMD area" dated June 6, 2002 including the accompanying laboratory data dated April 23, 2002 and supplemental information dated June 12, 2002. The results of the transfer efficiency testing performed indicate that the ITW DeVilbiss GFG-670 (Plus) spray gun is capable of achieving equivalent or better transfer efficiency than high-volume, low-pressure spray equipment. As a result, the DeVilbiss GFG-670 spray gun is approved for operations subject to Rule 1151, Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations, under Rule 1151(c)(4)(A)(iii). This approval is subject to the following conditions.

1. *ITW Automotive Refinishing shall supply written notification to each individual purchasing the ITW DeVilbiss GFG-670 spray gun for use within the jurisdiction of the South Coast Air Quality Management District that the gun is only approved for the application of coatings subject to Rule 1151.*
2. *This approval is only valid if the air pressure supplied to the ITW DeVilbiss GFG-670 spray gun is equal to or less than 40 PSIG. ITW Automotive Refinishing shall supply written notification to each individual purchasing the ITW DeVilbiss GFG-670 spray gun that the maximum air pressure supplied to the spray gun shall not exceed 40 PSIG.*

3. ITW Automotive Refinishing shall supply a spray gun mounted needle valve and a pressure gauge clearly identifying the maximum allowable spray gun inlet air pressure to each individual purchasing an ITW DeVilbiss GFG-670 spray gun for use within the jurisdiction of the South Coast Air Quality Management District. ITW Automotive Refinishing shall supply written notification to each individual purchasing the ITW DeVilbiss GFG-670 spray gun that the spray gun mounted needle valve and pressure gauge shall be attached to the spray gun and be in good working condition whenever the spray gun is in operation.
4. This approval is only valid for the ITW DeVilbiss GFG-670 spray gun model tested.

If you have any questions regarding this approval, please call me at (909) 396-2576.

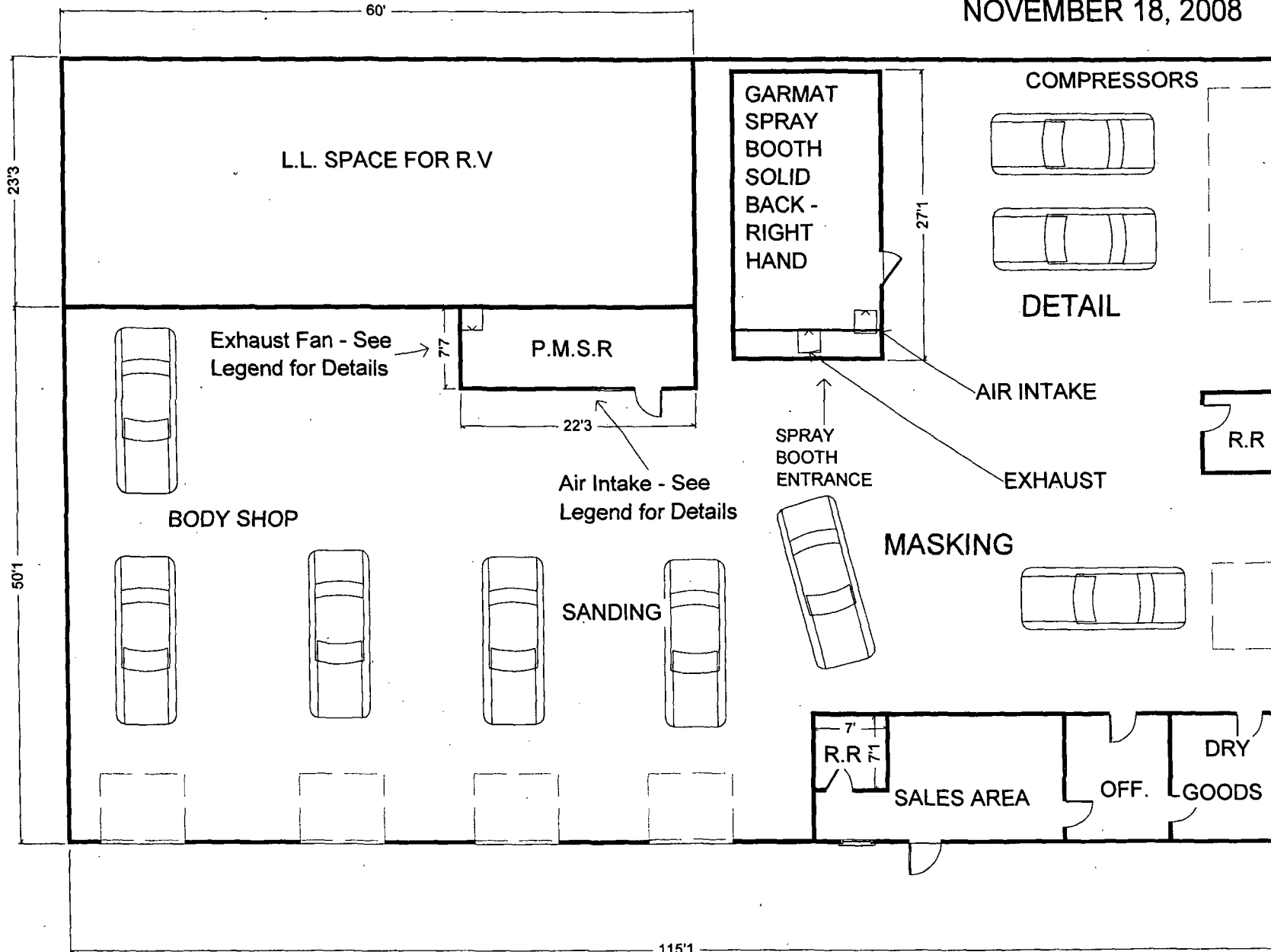
Sincerely,

Fred Lettice /s
Senior Manager
Coating, Printing & Aerospace Operations

FEL

cc: Glenn Kasai

DAVID SHEFMAN
4601 W. GANDY BLVD
TAMPA, FL 33611
AIR QUALITY
NOVEMBER 18, 2008

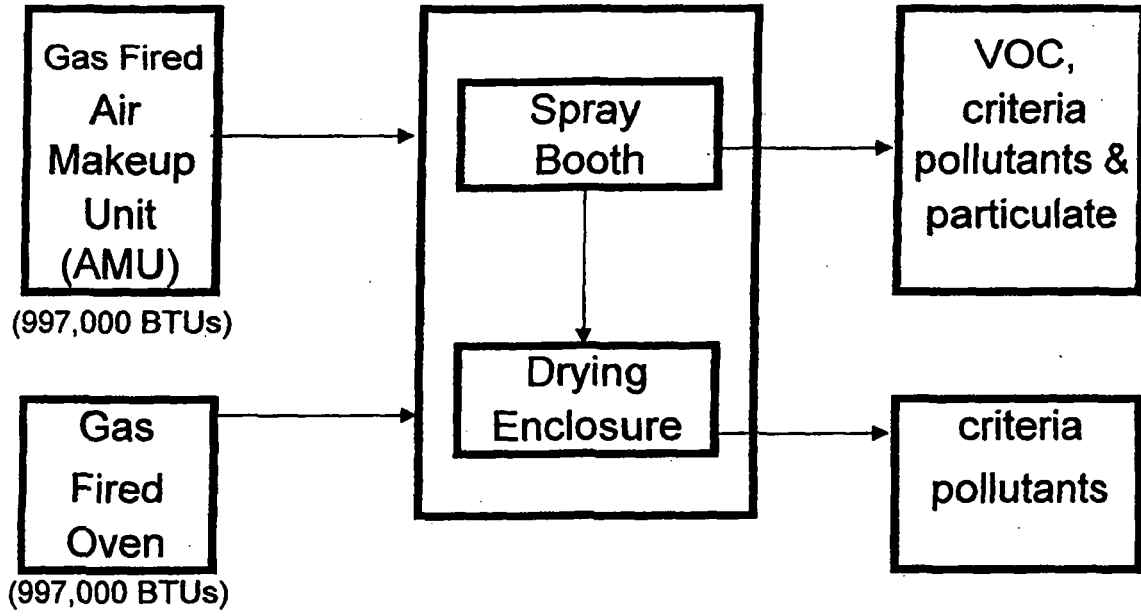


TOTAL SQ FT = 8395
PRODUCTION SQ FT = 6800

Process Flow Diagram

MAACO AUTO PAINTING

Process Flow Diagram



**Tables 1 through 5 Emission
Calculations**

Table 1. Topcoat Analysis

Coating	Parts	Product	Subproduct	Product #	Weight % Solids	Weight % Vol.	Density	LE VOC
Ful-Base Enamel			Topcoat (1/3)	430-52	34.84	65.16	7.96	5.2
			Binder (2/3)	435-90	41.51	58.49	7.73	4.1
	8	Ful-Base Enamel			39.29	60.71	7.81	4.5
	1	Catalyst Plus		483-08	40.0	60.0	8.16	4.9
	2	Reducer		441-22	0	100	6.91	6.9
Ful-Base Enamel								
Ful-Cryl Acrylic Enamel			Topcoat (1/3)	430-52	34.84	65.16	7.96	5.2
			Binder (2/3)	435-94	40.4	59.6	7.98	4.8
	8	Ful-Cryl II			38.6	61.4	7.97	4.9
	1	Catalyst		483-11	75	25	9.01	2.2
	2	Reducer		441-22	0	100	6.91	6.9
Ful-Cryl Acrylic Enamel								
Ful-Base System Toner			Toner (1/3)	430-52	34.84	65.2	7.96	5.2
			Binder (2/3)	435-91	42.8	57.2	8.11	4.6
	8	Ful-Base System Toner			40.1	59.9	8.06	4.8
	1	Catalyst		483-15	90	10	9.35	0.9
	2	Reducer		441-22	0	100	6.91	6.9
Ful-Base System Toner								
Chromabase Basecoat/Clearcoat	1		Basecolor "K" (see Table 2)		43.9	56.1	7.99	5.5
	1		Basemaker	7160S	0.2	99.8	6.61	6.6
	1	Basecoat			22.0	78.0	7.3	6.0
	4		Clear	496-00	35.9	64.1	7.98	4.2
	1		Catalyst	483-79	44.1	55.9	8.36	4.7
	2	Clearcoat			37.5	62.5	8.06	4.3
Chromabase Basecoat/Clearcoat								

Table 2. Chromabase Basecoat Details

Sample color: Gray Blue-Effect
K8620K

DuPont Color	Mix (g)	density (lb/gal)	Mix (gal)	volume percent	VOC (lb/gal)	TOTAL VOC (lb/gal)	Weight % solids		TOTAL Weight % Solids
814J	63.1	9.15	0.015204	0.041128	4.7	0.193301	48.39	0.178937	8.658773
806J	120.2	8.25	0.032121	0.086892	4.3	0.373634	47.7	0.176386	8.413601
811J	151.1	9.25	0.036013	0.097421	4.9	0.477361	47.18	0.174463	8.231159
827J	174.1	7.94	0.048341	0.130769	5.6	0.732309	28.99	0.1072	3.107718
820J	189.9	7.96	0.052595	0.142279	5.2	0.739849	34.93	0.129165	4.511722
802J	198.6	8.52	0.05139	0.139017	4.0	0.556067	53.57	0.198092	10.61178
150K	443.1	7.29	0.134002	0.362495	6.6	2.392467	9.67	0.035758	0.345779
	1340.1		0.369665			5.464988	270.43		43.88054

TOTAL DENSITY 7.992176 lb/gal

Table 3. VOC Emissions

Product Type	Amount Applied per hour (gal)	LE VOC content (# VOC/gal coating)	Actual hours per year	Potential hours per year	Actual Emissions (tons/year)	Potential Emissions (tons/year)
Topcoats & Metallic Topcoats						
Ful-Base Enamel	0.95	4.9	312	1314	0.73	3.06
Ful-cryl II Topcoat	0.95	5.0	312	1314	0.74	3.12
Ful-thane 2K urethane	0.95	4.8	416	1752	0.95	3.99
Chromabase Basecoat/Clearcoat	0.25	4.9	1040	4380	0.64	2.68
Sub-total			2080	8760		
Pretreatment Wash Primer						
1:etch primer/1: activator	0.075	6.2	1040	4380	0.24	1.02
Primer Sealer						
422-23 Ful-Seal	0.25	4.6	1040	4380	0.60	2.52
Sub-total			2080	8760		
Primer/Primer Surfacer						
2K Urethane Primer	0.075	4.6	2080	8760	0.36	1.51
Wash Thinner (cleanup)	0.02875	6.9	2080	8760	0.21	0.87
Total:					4.46	18.77

Note: Combining the total topcoat applications together results in an actual hourly operation of 2080 hours and a potential hourly operation of 8760 hours. Combining the pretreatment wash primer and primer sealer applications results in an actual hourly operation of 2080 hours and a potential hourly operation of 8760 hours.

Table 4. HAP Analysis

Coating/Regulated Toxic	Parts	Product	Subproduct	Product #	Amount Applied Per Hour (gals)	% BW in product	Density (lb/gal)	VOC (lb/gal)	actual (hrs/day)	actual emissions (lb/day)
Topcoats										
			Topcoat (1/3)	430-52			7.96	5.2		
			Binder (2/3)	435-90			7.73	4.1		
	8	Ful-Base Enamel					7.81	4.47		
	1	Catalyst Plus		483-08			8.16	4.9		
	2	Reducer		441-22			6.91	6.9		
Ful-Base Topcoat					0.950		7.68	4.9	1.20	
ethyl benzene						1.7212%				0.16
toluene						2.7273%				0.24
ethylene glycol monobutyl ether acetate						1.4545%				0.13
1,2,4 trimethyl benzene						0.6730%				0.06
isophorone diisocyanate						0.0909%				0.01
naphthalene						0.0970%				0.01
xylene						6.5455%				0.67
			Topcoat (1/3)	430-52			7.96	5.2		
			Binder (2/3)	435-94			7.98	4.8		
	8	Ful-Cryl II					7.97	4.9		
	1	Catalyst		483-11			8.01	2.2		
	2	Reducer		441-22			6.91	6.9		
Ful-Cryl II Acrylic Enamel					0.950		7.87	5.0	1.2	
ethyl benzene						2.1455%				0.19
toluene						4.1540%				0.37
xylene						8.4848%				0.76
ethylene glycol monobutyl ether acetate						2.3341%				0.21
1,6-hexamethylene diisocyanate						0.0091%				0.00
1,2,4 trimethyl benzene						0.7273%				0.07
cumene						0.0000%				0.00
naphthalene						0.0000%				0.00
methyl isobutyl ketone						0.5668%				0.05
			Toner (1/3)	430-52			7.96	5.2		
			Binder (2/3)	435-91			8.11	4.6		
	8	Ful-Base System Toner					8.06	4.80		
	1	Catalyst		483-15			9.35	0.9		
	2	Reducer		441-22			6.91	6.9		
Ful-Thane 2K Urethane					0.950		7.97	4.83	1.80	
ethyl benzene						1.9152%				0.23
toluene						4.0785%				0.49
xylene						7.5242%				0.91
1,6-hexamethylene diisocyanate						0.0182%				0.002
1,2,4-trimethyl benzene						0.8955%				0.09
cumene						0.0091%				0.00
naphthalene						0.0000%				0.00
methyl isobutyl ketone						0.7413%				0.09
	0.041128		chromabase tint	814J			9.15	4.7		
	0.086892		chromabase tint	808J			8.25	4.3		
	0.097421		chromabase tint	811J			9.25	4.9		
	0.130769		chromabase tint	827J			7.94	5.6		

0.142279	chromabase tint	820J	7.96	5.2		
0.139017	chromabase tint	802J	8.58	4.0		
0.362495	balancer	150K	7.29	6.6		
	K8620K		8.00	6.48		
1	Basemaker	7160S	8.61	6.8		
1	Chromabase Basecoat		7.31	6.03		
4	Clear	498-00	7.98	4.2		
1	Catalyst	483-79	8.38	4.7		
2	Clearcoat		8.06	4.30		
Chromabase Basecoat/Clearcoat			0.250	7.81	4.88	4.00
ethyl benzene			4.4089%			0.34
xylene			16.1563%			1.26
toluene			5.2667%			0.41
1,2,4 tri methyl benzene			2.0137%			0.16

Pretreatment Wash Primer

1	Etch Primer	491-17	7.90	5.70		
1	Activator	441-43	6.86	6.70		
Etch Primer			0.075	7.38	6.20	4
n-butyl alcohol			44.5%			0.99
methyl isobutyl ketone			6.0%			0.13

Prime Sealer

422-23 Ful-Seal Select		422-23	0.25	8.24	4.6	4
toluene			3.0%			0.25
ethyl benzene			0.7%			0.06
naphthalene			0.1%			0.01
xylene			2.7%			0.22

Primer Surface

4	SelectPrime 2K Primer	421-17	11.88	4.4		
1	SelectPrime Activator	483-87	8.01	5.3		
2K Urethane Primer			0.075	11.106	4.58	8.00
ethyl benzene			5.0%			0.332
toluene			3.0%			0.20
xylene			20.0%			1.33

INDIVIDUAL HAP SUBTOTAL

	CAS	(lb/day)	(tpy)
toluene	108-88-3	1.96	0.26
xylene	1330-20-7	5.06	0.66
methyl isobutyl ketone	108-10-1	0.28	0.037
ethyl benzene	100-41-4	1.31	0.170
1,6-hexamethylene diisocyanate	822-08-0	0.0030	0.0004
1,2,4-Trimethylbenzene	95-63-6	0.34	0.0445
cumene	98-82-8	0.01	0.0011
n-butyl alcohol	71-36-3	0.9852	0.1281
naphthalene	91-20-3	0.0082	0.0011

TOTAL HAP

1.3

Table 5. Particulate Emissions

MAACO ENTERPRISES

Particulate Emission Calculations

Without control

A	B	C	D	E	F=(B*C*D*E)
Product Type	Amount applied per week (gal)	Percent Overspray	solids content (# solids/gal coating)	Weeks per year	Emissions (lbs/year)
Pretreatment Wash Primer	2	35%	2.06	52	75
Primer/Primer Surface	3	35%	5.79	52	316
Prime Sealer	10	35%	5.11	52	930
Topcoat (as applied)	45	35%	3.04	52	2490

Particulate Filters have a specification of 99.5 % removal efficiency

TOTAL: 3810.67

With control

Pretreatment Wash Primer	0.37 lbs/yr
Primer/Primer Surface	1.58 lbs/yr
Prime Sealer	4.65 lbs/yr
Topcoat (as applied)	12.45 lbs/yr

TOTAL: 19.05 lbs/yr

in
vd
34695

\$6.00
US POSTAGE
FIRST-CLASS
062S0007014567
34695

stamps.com
C83291.01



FDEP Receipts
PO Box 3070
Tallahassee, FL

32315-3070

Florida Department of Environmental Protection
Cash Receiving Application (CRA)
Cashlisting by Deposit #: 291320 thru 291320
Printed: 12/19/2008 5:21:46 PM - Page 12

Cashlisting: **72819** Cashlist Area: **3755** Description: **DIV OF AIR RESOURCES MGMT.**
 Deposit No: **291320** Date Deposited: **12/19/2008** Contact: **E. WALKER**

Object	Transmittal	Dep DDN	Receipt Number	Pre-Numbered Receipt	Name	Check Number	Payment Amount	Reference Account	Payment Number	Remittance Number	Fund	Grant
002272	52068	<i>PRB</i> 490006	647972		TSI COMPLIANCE SERVICES INC	4019	\$100.00	<i>12/31/2008-(SC)</i> <i>0571403-001</i>	915790	808038	PFTF	
Object Code 002272 Subtotal:							\$100.00					
002278	52068	489991	647957		LANG ENVIRONMENTAL INC	34234	\$200.00	51249	915740	808023	APCTF	
	52068	490002	647968		DECON ENVIRONMENTAL & ENGINEER	42579	\$100.00	51657	915789	808034	APCTF	
	52079		648047		KIMMINS CONTRACTING CORP	268901	\$300.00	51284	915827	808138	APCTF	
Object Code 002278 Subtotal:							\$600.00					
Cashlisting 72819 Total:							\$700.00					

