AIR OPERATION PERMIT APPLICATION
FLAIR MANUFACTURING
OCALA, FLORIDA
DELTA PROJECT NO. B096-018

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Computer Applications: Word 6.0, CAD 13 for Windows, SmartDraw, ELSA 1.3b

AIR OPERATION PERMIT APPLICATION
FLAIR MANUFACTURING
OCALA, FLORIDA
DELTA PROJECT NO. B096-018

0830084-003-AF

Prepared For:

Flair Manufacturing
4647 W. 40th Avenue
Ocala, Florida

Prepared By:

Delta Environmental Consultants, Inc.
8186-88 Woodland Center Blvd.
Tampa, Florida 33614

September 1997

0830084-003

Department of Environmental Protection

DIVISION OF AIR RESOURCES MANAGEMENT

APPLICATION FOR AIR PERMIT - LONG FORM

I. APPLICATION INFORMATION

0830084-003-AF

Identification of Facility Addressed in This Application

1. Facility Owner/Company Name : Flair Manufacturing		
2. Site Name : Flair Manufacturing		
3. Facility Identification Number :	0830084	[ ] Unknown
4. Facility Location : 4647 S.W. 40th Avenue Ocala, Florida 34474-5799-USA		
Street Address or Other Locator :	4647 40th Avenue	
City : Ocala	County : Marion	Zip Code : 34474-5799
5. Relocatable Facility? [ ] Yes [X] No		6. Existing Permitted Facility? [X] Yes [ ] No

DEP Form No. 62-210.900(1) - Form
Effective : 3-21-96

Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official :

Name : Michael E. Gelinas
Title : Vice President Operations

2. Owner or Authorized Representative or Responsible Official Mailing Address :

Organization/Firm : Flair Manufacturing
Street Address : 4647 S.W. 40th Avenue
City : Ocala
State : FL Zip Code : 34474-5799

3. Owner/Authorized Representative or Responsible Official Telephone Numbers :

Telephone : (352)237-1220 Fax : (352)854-1402

4. Owner/Authorized Representative or Responsible Official Statement :

I, the undersigned, am the owner or authorized representative of the non-Title V source addressed in this Application for Air Permit or the responsible official, as defined in Rule 62-210.200, F.A.C., of the Title V source addressed in this application, whichever is applicable. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained 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 understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions units.*

Signature 9/16/97
Date

* Attach letter of authorization if not currently on file.

Scope of Application

Emissions Unit ID	Description of Emissions Unit	Permit Type
001	Spray Paint Booths	AF2C
002	Sandblasting Operations	AF2A

Purpose of Application and Category

Category I : All Air Operation Permit Applications Subject to Processing Under Chapter 62-213, F.A.C.

This Application for Air Permit is submitted to obtain :

[ ] Initial air operation permit under Chapter 62-213, F.A.C., for an existing facility which is classified as a Title V source.

[ ] Initial air operation permit under Chapter 62-213, F.A.C., for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source.

Current construction permit number :

[ ] Air operation permit renewal under Chapter 62-213, F.A.C., for a Title V source.

Operation permit to be renewed :

[ ] Air operation permit revision for a Title V source to address one or more newly constructed or modified emissions units addressed in this application.

Current construction permit number :

Operation permit to be revised :

[ ] Air operation permit revision or administrative correction for a Title V source to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application.

Operation permit to be revised/corrected :

[ ] Air operation permit revision for a Title V source for reasons other than construction or

modification of an emissions unit.

Operation permit to be revised :

Reason for revision :

Category II : All Air Operation Permit Applications Subject to Processing Under Rule 62-210.300(2)(b), F.A.C.

This Application for Air Permit is submitted to obtain :

[X] Initial air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.

Current operation/construction permit number(s) :
0830084-002-AC

[ ] Renewal air operation permit under Fule 62-210.300(2)(b), F.A.C., for a synthetic non-Title V source.

Operation permit to be renewed :

[ ] Air operation permit revision for a synthetic non-Title V source.

Operation permit to be revised :

Reason for revision :

Category III : All Air Construction Permit Applications for All Facilities and Emissions Units

This Application for Air Permit is submitted to obtain :

[ ] Air construction permit to construct or modify one or more emissions units within a facility (including any facility classified as a Title V source).

Current operation permit number(s), if any :

[ ] Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.

Current operation permit number(s) :

[ ] Air construction permit for one or more existing, but unpermitted, emissions units.

Application Processing Fee

Check one :

[X] Attached - Amount : $1000.00 [ ] Not Applicable.

Construction/Modification Information

1. Description of Proposed Project or Alterations :
2. Projected or Actual Date of Commencement of Construction :
3. Projected Date of Completion of Construction :

Professional Engineer Certification

1. Professional Engineer Name : W. Daniel Phelps, P.E. Registration Number : 43116
2. Professional Engineer Mailing Address : Organization/Firm : Delta Environmental Consultants Street Address : 8186-88 Woodland Center Blvd. City : Tampa State : FL Zip Code : 33614-____
3. Professional Engineer Telephone Numbers : Telephone : (813)249-5311 Fax : (813)249-5453

4. Professional Engineer Statement :

I, the undersigned, hereby certified, except as particularly noted herein, that :*

(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollutant control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and

(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.

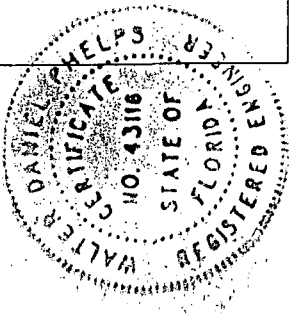
If the purpose of this application is to obtain a Title V source air operation permit (check here [ ] if so), I further certify that each emissions unit described in this Application for Air Permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance schedule is submitted with this application.

If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [ ] if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.

If the purpose of this application is to obtain an initial air operation permit or operation permi revision for one or more newly constructed or modified emissions units (check here [✓] if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.

M J Phelps — Signature

9/16/97 — Date



* Attach any exception to certification statement.

Application Contact

1. Name and Title of Application Contact :

Name : Mr. Michael E. Galinas
Title : Vice President Operations

2. Application Contact Mailing Address :

Organization/Firm : Flair Manufacturing
Street Address : 4647 S.W. 40th Avenue
City : Ocala
State : FL Zip Code : 34474-5799

3. Application Contact Telephone Numbers :

Telephone : (352)237-1220 Fax : (352)854-1402

Application Comment

Permit No.: 0830084-002-AC
Previous construction permit AC42-230254 was never started and is not part ot the re-issued construction permit referenced above.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility, Location, and Type

1. Facility UTM Coordinates : Zone : 17 East (km) : 384.50 North (km) : 3224.00			
2. Facility Latitude/Longitude : Latitude (DD/MM/SS) : 29 8 27 Longitude (DD/MM/SS) : 82 11 31			
3. Governmental Facility Code : 0	4. Facility Status Code : A	5. Facility Major Group SIC Code : 35	6. Facility SIC(s) : 3569
7. Facility Comment : Metal fabrication and surface coating for a facility which manufactures various types of compressed air dryers.			

Facility Contact

1. Name and Title of Facility Contact : Steven A. Turrentine Facilities Manager
2. Facility Contact Mailing Address : Organization/Firm : Flair Manufacturing Street Address : 4647 S.W. 40th Avenue City : Ocala State : FL Zip Code : 34474-5799
3. Facility Contact Telephone Numbers : Telephone : (352)237-1220 Fax : (352)854-1402

Facility Regulatory Classifications

1. Small Business Stationary Source?	N
2. Title V Source?	N
3. Synthetic Non-Title V Source?	Y
4. Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)?	N
5. Synthetic Minor Source of Pollutants Other than HAPs?	Y
6. Major Source of Hazardous Air Pollutants (HAPs)?	N
7. Synthetic Minor Source of HAPs?	Y
8. One or More Emissions Units Subject to NSPS?	N
9. One or More Emission Units Subject to NESHAP?	N
10. Title V Source by EPA Designation?	N
11. Facility Regulatory Classifications Comment : Natural minor non-Title V Source.	

B. FACILITY REGULATIONS

Rule Applicability Analysis

The facility is subject to:
Chapter 403, Florida Statutes and
Florida Administrative Code (F.A.C.) Chapters
62-204
62-210
62-212
62-213
62-296
62-297
62-4

The facility's Teflon Coating and Curing operations as well as facility welding operations are exempt from Rule 62-210.300, F.A.C.

B. FACILITY REGULATIONS

List of Applicable Regulations

Not Applicable

C. FACILITY POLLUTANTS

Facility Pollutant Information

1. Pollutant Emitted	2. Pollutant Classification
VOC	SM
PM	B

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 1

1. Pollutant Emitted :	VOC
2. Requested Emissions Cap :	8.4600 (lbs/hour) 37.0600 (tons/year)
3. Basis for Emissions Cap Code :	OTHER
4. Facility Pollutant Comment :	1) Federally Enforceable State Operating Permit 2) Emissions Cap represents VOCs emitted from Spray Paint Booths 3) Estimated VOC emissions cap calculations are provided in Table 1.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 2

1. Pollutant Emitted :	PM
2. Requested Emissions Cap :	0.0200 (lbs/hour) 0.0800 (tons/year)
3. Basis for Emissions Cap Code :	RULE
4. Facility Pollutant Comment :	1) PM emissions from Large Empire Blaster, Small Delong Blaster, and the Teflon Blaster. 2) Estimated PM emissions cap calculations are provided in Table 2.

D. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements for All Applications

1. Area Map Showing Facility Location :	Figure 1
2. Facility Plot Plan :	Figure 2
3. Process Flow Diagram(s) :	Figure 3
4. Precautions to Prevent Emissions of Unconfined Particulate Matter :	NA
5. Fugitive Emissions Identification :	Appendix A
6. Supplemental Information for Construction Permit Application :	NA

Additional Supplemental Requirements for Category I Applications Only

7. List of Proposed Exempt Activities :	Appendix B
8. List of Equipment/Activities Regulated under Title VI :	NA
9. Alternative Methods of Operation :	NA
10. Alternative Modes of Operation (Emissions Trading) :	NA
11. Identification of Additional Applicable Requirements :	NA
12. Compliance Assurance Monitoring Plan :	NA
13. Risk Management Plan Verification :	NA
14. Compliance Report and Plan :	NA
15. Compliance Certification (Hard-copy Required) :	NA

EMISSIONS UNIT #1

SPRAY PAINT BOOTHS

III. EMISSIONS UNIT INFORMATION

A. TYPE OF EMISSIONS UNIT
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 1

Spray Paint Booths

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one :

[X] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.

[ ] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

2. Single Process, Group of Processes, or Fugitive Only? Check one :

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

[X] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit Information Section 1

B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section : Spray Paint Booths		
2. Emissions Unit Identification Number : 001 [ ] No Corresponding ID [ ] Unknown		
3. Emissions Unit Status Code : A	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code : 35
6. Emissions Unit Comment : This emissions unit consists of a large spray paint booth (LSPB) and a small spray paint booth (SSPB) with associated mixing booths and spray gun cleaning stations . The maximum throughput is 12,200 gallons of paint per year.		

Emissions Unit Information Section 1
Spray Paint Booths

Emissions Unit Control Equipment 1

1. Description : Large Spray Paint Booth filter arrestors
2. Control Device or Method Code : 99

Emissions Unit Information Section 1
Spray Paint Booths

Emissions Unit Control Equipment 2

1. Description : Small Spray Paint Booth filter arrestos
2. Control Device or Method Code : 99

C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 1
Spray Paint Booths

Emissions Unit Details

1. Initial Startup Date :		
2. Long-term Reserve Shutdown Date :		
3. Package Unit : Manufacturer :		Model Number :
4. Generator Nameplate Rating :	MW	
5. Incinerator Information : Dwell Temperature : Dwell Time : Incinerator Afterburner Temperature :		 Degrees Fahrenheit Seconds Degrees Fahrenheit

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate :	mmBtu/hr	
2. Maximum Incinerator Rate :	lb/hr	tons/day
3. Maximum Process or Throughput Rate :	12200	gallons/year
4. Maximum Production Rate :		
5. Operating Capacity Comment :		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule :		
	24 hours/day	7 days/week
	52 weeks/year	8,760 hours/year

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

Emissions Unit Information Section 1
Spray Paint Booths

Rule Applicability Analysis

The Spray Paint Booths are subject to:
Florida Administrative Code (F.A.C.)
Rule 62-296.320(2)
Rule 62-296.320(1)
Rule 62-210.650
Rule 62-296.310(3)
Rule 62-296.320(1)(a)
Rule 62-4.070(3)

Emissions Unit Information Section 1
Spray Paint Booths

List of Applicable Regulations

Not Applicable

E. EMISSION POINT (STACK/VENT) INFORMATION

Emissions Unit Information Section 1

Spray Paint Booths

Emission Point Description and Type :

1. Identification of Point on Plot Plan or Flow Diagram : Figure 2
2. Emission Point Type Code : 3
3. Descriptions of Emission Points Comprising this Emissions Unit : 1-1 LSPB, 1-2 SSPB
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common : Not Applicable
5. Discharge Type Code : V
6. Stack Height : feet
7. Exit Diameter : feet
8. Exit Temperature : °F
9. Actual Volumetric Flow Rate : acfm
10. Percent Water Vapor : %
11. Maximum Dry Standard Flow Rate : dscfm
12. Nonstack Emission Point Height : feet
13. Emission Point UTM Coordinates : Zone : 17 East (km) : 384.500 North (km) : 3,224.000
14. Emission Point Comment : LSPB & SSPB - Spray paint booths and associated mixing booths and spray gun cleaning stations Additionally, infrequent sandblasting and spray painting on the outside concrete slab. See Table 3 for vent stack information.

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Spray Paint Booths

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Emissions related to VOCs in gallons used	
2. Source Classification Code (SCC) : 3-09-002-01	
3. SCC Units : Gallons Used	
4. Maximum Hourly Rate : 1.40	5. Maximum Annual Rate : 12,200.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur :	8. Maximum Percent Ash :
9. Million Btu per SCC Unit :	
10. Segment Comment : See Table 1 for VOC emissions calculations	

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 1
Spray Paint Booths

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
1 - VOC	099		EL

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 1
Spray Paint Booths

Pollutant Potential/Estimated Emissions : Pollutant 1

1. Pollutant Emitted : **VOC**
2. Total Percent Efficiency of Control : %
3. Potential Emissions : 8.46 lb/hour 37.06 tons/year
4. Synthetically Limited? [X] Yes [ ] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor : Reference :
7. Emissions Method Code : 2
8. Calculations of Emissions : Gallons Paint Used/Year x Density of Paint x %VOC contents of paint
9. Pollutant Potential/Estimated Emissions Comment : See Table 1 for VOC emissions calculations

Emissions Unit Information Section 1
Spray Paint Booths

Pollutant Information Section 1

Allowable Emissions 1

1. Basis for Allowable Emissions Code :	OTHER			
2. Future Effective Date of Allowable Emissions :				
3. Requested Allowable Emissions and Units :	37.06	tons/year		
4. Equivalent Allowable Emissions :	8.46	lb/hour	37.06	tons/year
5. Method of Compliance : Record Keeping				
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :				

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 1
Spray Paint Booths

Visible Emissions Limitation : Visible Emissions Limitation 1

1. Visible Emissions Subtype :
2. Basis for Allowable Opacity : OTHER
3. Requested Allowable Opacity : Normal Conditions : 0 % Exceptional Conditions : 5 % Maximum Period of Excess Opacity Allowed : min/hour
4. Method of Compliance : Record Keeping - See Appendix C
5. Visible Emissions Comment : VOCs from overspray are controlled by filter arrestors and shall not exceed 5% opacity.

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 1

Continuous Monitoring System : Continuous Monitor

1. Parameter Code :	2. Pollutant :
3. CMS Requirement :	
4. Monitor Information : Manufacturer : Model Number : Serial Number :	
5. Installation Date :	
6. Performance Specification Test Date :	
7. Continuous Monitor Comment :	

K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

Emissions Unit Information Section 1

Spray Paint Booths

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

[ ] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

[X] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

2. Increment Consuming for Nitrogen Dioxide?

[ ] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source, and the emission unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[X] None of the above apply. If so, baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code :		
PM :	SO2 :	NO2 :
4. Baseline Emissions :		
PM :	lb/hour	tons/year
SO2 :	lb/hour	tons/year
NO2 :		tons/year
5. PSD Comment :		

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit Information Section 1

Spray Paint Booths

Supplemental Requirements for All Applications

1. Process Flow Diagram :	Figure 3
2. Fuel Analysis or Specification :	NA
3. Detailed Description of Control Equipment :	NA
4. Description of Stack Sampling Facilities :	NA
5. Compliance Test Report :	NA
6. Procedures for Startup and Shutdown :	NA
7. Operation and Maintenance Plan :	NA
8. Supplemental Information for Construction Permit Application :	NA
9. Other Information Required by Rule or Statue :	NA

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operations :	NA
11. Alterntive Modes of Operation (Emissions Trading) :	NA

12. Identification of Additional Applicable Requirements :	NA
13. Compliance Assurance Monitoring Plan :	NA

14. Acid Rain Application (Hard-copy Required) :

NA	Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
NA	Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
NA	New Unit Exemption (Form No. 62-210.900(1)(a)2.)
NA	Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)

EMISSIONS UNIT #2

SANDBLASTING OPERATIONS

III. EMISSIONS UNIT INFORMATION

A. TYPE OF EMISSIONS UNIT
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 2

Sandblasting Operations

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one :

[X] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.

[ ] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

2. Single Process, Group of Processes, or Fugitive Only? Check one :

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

[X] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit Information Section 2

B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section : Sandblasting Operations		
2. Emissions Unit Identification Number : 002 [ ] No Corresponding ID [ ] Unknown		
3. Emissions Unit Status Code : A	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code : 35
6. Emissions Unit Comment : This emission unit consists of a sandblasting operations from the following: Large Empire Sandblaster Small Delong Sandblaster Teflon Sandblaster See Figure 2 - Facility Plot Plan for emission unit locations.		

Emissions Unit Information Section 2
Sandblasting Operations

Emissions Unit Control Equipment 1

1. Description : Large Empire Sandblast Room Dust Collector - Empire Fabric Filter
2. Control Device or Method Code : 18

Emissions Unit Information Section 2
Sandblasting Operations

Emissions Unit Control Equipment 2

1. Description : Small Delong Blast Room Dust Collector - Zero Air Cartridge Filter
2. Control Device or Method Code : 18

Emissions Unit Information Section 2
Sandblasting Operations

Emissions Unit Control Equipment 3

1. Description : Teflon Room Sandblaster Dollinger Dust Collector - Dollinger Cartridge Filter
2. Control Device or Method Code : 18

C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 2
Sandblasting Operations

Emissions Unit Details

1. Initial Startup Date :		
2. Long-term Reserve Shutdown Date :		
3. Package Unit : Manufacturer :		Model Number :
4. Generator Nameplate Rating :	MW	
5. Incinerator Information : Dwell Temperature : Dwell Time : Incinerator Afterburner Temperature :		 Degrees Fahrenheit Seconds Degrees Fahrenheit

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate :	mmBtu/hr	
2. Maximum Incinerator Rate :	lb/hr	tons/day
3. Maximum Process or Throughput Rate :		
4. Maximum Production Rate :		
5. Operating Capacity Comment :		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule :	
20 hours/day	7 days/week
52 weeks/year	7,280 hours/year

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

Emissions Unit Information Section 2
Sandblasting Operations

Rule Applicability Analysis

The sandblasting operations are subject to Florida Administrative Code (F.A.C.)
Rule 62--297.620(4)
Rule 62-296.310(7)
Rule 62-297.310(7)
Rule 62-297.310(8)(b)
Rule 62-204.800
Chapter 62-297
Rule 62-297.310(4)(9)(2)
Rule 62-297.310(7)(a)(9)
and 40 C.F.R. 60, Appendix A

List of Applicable Regulations

Not Applicable

E. EMISSION POINT (STACK/VENT) INFORMATION

Emissions Unit Information Section 2

Sandblasting Operations

Emission Point Description and Type :

1. Identification of Point on Plot Plan or Flow Diagram : Figure 2		
2. Emission Point Type Code : 3		
3. Descriptions of Emission Points Comprising this Emissions Unit : Vent Stacks - See #14		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common :		
5. Discharge Type Code :		
6. Stack Height :		feet
7. Exit Diameter :		feet
8. Exit Temperature :		°F
9. Actual Volumetric Flow Rate :		acfm
10. Percent Water Vapor :	0.00	%
11. Maximum Dry Standard Flow Rate :		dscfm
12. Nonstack Emission Point Height :		feet
13. Emission Point UTM Coordinates : Zone : 17 East (km) : 384.500 North (km) : 3,224.000		
14. Emission Point Comment : See Figure 2 for vent stack locations and Table 3 for vent stack information.		

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Sandblasting Operations

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : PM emissions from Large Empire Sandblaster. Blasting material is steel grit.	
2. Source Classification Code (SCC) : 3-09-002-05	
3. SCC Units : lbs PM Generated/Tons Abrasive Used	
4. Maximum Hourly Rate : 0.00	5. Maximum Annual Rate : 0.07
6. Estimated Annual Activity Factor : 7,280.00	
7. Maximum Percent Sulfur :	8. Maximum Percent Ash :
9. Million Btu per SCC Unit :	
10. Segment Comment : 1) PM emissions related to hours of operation. 2) SeeTable 2 for calculations. 3) Throughput limitation is dependant on hours of operations 4) Maximum Hourly Rate = .00185 lbs/hr 5) Maximum Annual Rate = .0067 TPY. 6) Annual Activity Factor = is 20 hrs/day, 7 days/week, 52 weeks/yr	

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Sandblasting Operations

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : PM emissions from Small Delong Sandblaster. Blasting material is sand.	
2. Source Classification Code (SCC) : 3-09-002-2_	
3. SCC Units : lbs PM Generated/Ton Abrasive Used	
4. Maximum Hourly Rate : 0.01	5. Maximum Annual Rate : 0.04
6. Estimated Annual Activity Factor : 7,280.00	
7. Maximum Percent Sulfur :	8. Maximum Percent Ash :
9. Million Btu per SCC Unit :	
10. Segment Comment : 1) PM emissions related to hours of operations. 2) See table 2 for PM emissions calculations. 3) Throughput limitation is based on hours of operations. 4) Maximum hourly rate is 0.012099 lbs/hr 5) Maximum annual rate is 0.04404036 TPY 6) Annual activity factor = 20 hrs/day, 7 days/week, 52 weeks/yr.	

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Sandblasting Operations

Segment Description and Rate : Segment 3

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : PM emissions from Teflon blaster. Blasting material is sand.	
2. Source Classification Code (SCC) : 3-09-002-2_	
3. SCC Units : lbs PM Generated/Ton Abrasive Used	
4. Maximum Hourly Rate : 0.01	5. Maximum Annual Rate :
6. Estimated Annual Activity Factor : 1,456.00	
7. Maximum Percent Sulfur :	8. Maximum Percent Ash :
9. Million Btu per SCC Unit :	
10. Segment Comment : 1) PM emissions are based on hours of operations. 2) See table 2 for PM emissions calculations. 3) Throughput limitations is based on hours of operations. 4) Maximum hourly rate is 0.009176 lbs/hr. 5) Maximum annual rate is 0.00668 TPY. 6) Annual activity factor = 4 hrs/day, 7days/week, 52 weeks/yr	

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 2
Sandblasting Operations

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
1 - PM	018		EL

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Emissions Unit Information Section 2
Sandblasting Operations

Pollutant Potential/Estimated Emissions : Pollutant 1

1. Pollutant Emitted : **PM**
2. Total Percent Efficiency of Control : 99.00 %
3. Potential Emissions : 0.02 lb/hour 0.06 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: to tons/year
6. Emissions Factor : Reference :
7. Emissions Method Code :
8. Calculations of Emissions : See Table 2 for PM emission calculations.
9. Pollutant Potential/Estimated Emissions Comment : See table 2 for PM emissions calculations. PM emissions are sum total of emissions from large Empire blaster, small Delong blaster and Teflon blaster.

Emissions Unit Information Section 2
Sandblasting Operations

Pollutant Information Section 1

Allowable Emissions 1

1. Basis for Allowable Emissions Code :	RULE			
2. Future Effective Date of Allowable Emissions :				
3. Requested Allowable Emissions and Units :	0.05	tons/yr		
4. Equivalent Allowable Emissions :	0.02	lb/hour	0.05	tons/year
5. Method of Compliance : EPA Method 9 - See App D- for 8/97 visible opacity results.				
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :				

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section 2
Sandblasting Operations

Visible Emissions Limitation : Visible Emissions Limitation 1

1. Visible Emissions Subtype :		
2. Basis for Allowable Opacity : RULE		
3. Requested Allowable Opacity :		
Normal Conditions :	10	%
Exceptional Conditions :	20	%
Maximum Period of Excess Opacity Allowed :	3	min/hour
4. Method of Compliance : EPA Method 9		
5. Visible Emissions Comment :		

K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

Emissions Unit Information Section 2

Sandblasting Operations

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

[ ] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

[X] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

2. Increment Consuming for Nitrogen Dioxide?

[ ] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source, and the emission unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[X] None of the above apply. If so, baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code :		
PM :	SO2 :	NO2 :
4. Baseline Emissions :		
PM :	lb/hour	tons/year
SO2 :	lb/hour	tons/year
NO2 :		tons/year
5. PSD Comment :		

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit Information Section 2

Sandblasting Operations

Supplemental Requirements for All Applications

1. Process Flow Diagram :	Figure 3
2. Fuel Analysis or Specification :	NA
3. Detailed Description of Control Equipment :	NA
4. Description of Stack Sampling Facilities :	NA
5. Compliance Test Report :	NA
6. Procedures for Startup and Shutdown :	NA
7. Operation and Maintenance Plan :	NA
8. Supplemental Information for Construction Permit Application :	NA
9. Other Information Required by Rule or Statue :	NA

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operations :	NA
11. Alterntive Modes of Operation (Emissions Trading) :	NA

12. Identification of Additional Applicable Requirements :	NA
13. Compliance Assurance Monitoring Plan :	NA

14. Acid Rain Application (Hard-copy Required) :

NA	Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
NA	Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
NA	New Unit Exemption (Form No. 62-210.900(1)(a)2.)
NA	Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)

TABLES

TABLE 1 (Page 1 of 4)
SPRAY PAINT BOOTHS
ESTIMATED VOC EMISSIONS
FLAIR MANUFACTURING
OCALA, FLORIDA
DELTA PROJECT NO. B096-018

Reference Number	CAT#	General Description	Quantity Used (gal\yr)	Density (lb\gal)	% Compo-sition	Pollutants	Pollutant Weight Percent	Actual Emissions (lb/hr)	Actual Emissions (lb/yr)	Potential Emissions (TPY)	HAP Emissions (TPY)	VOC Emissions (TPY)
1	1244636	Glss Blk	236	8.2	57	Xylene	54	0.119	1045.008	0.523	0.523	0.000
2	1246558	Quarry	24	9.1	64	Xylene	47	0.000	102.648	0.051	0.051	0.000
						Co. Chromite	4	0.001	8.736	0.004	0.004	0.000
3	1244161	Off White	2	10.2	65	Xylene	39	0.001	7.956	0.004	0.004	0.000
4	1252868	Pewter	35	9	63	Xylene	47	0.017	148.050	0.074	0.074	0.000
5	1257413	Newport	1	9.4	69	Co. Chromium	19	0.000	1.786	0.001	0.003	0.000
						Xylene	50	0.001	4.700	0.002	0.002	0.000
6	1251003	Prmr E65	7	19.38	82	Toluene	1	0.000	0.000	0.000	0.000	0.000
7	1251002	Base F63	15	8.5	85	Toluene	5	0.001	6.783	0.003	0.000	0.000
8	1252121	Steel Epoxy	15	8.8	70	Xylene	50	0.007	63.750	0.032	0.032	0.000
9	1255114	97-727	6	7.22	100	Xylene	100	0.015	132.000	0.066	0.066	0.000
10	1254993	97-730	6	6.76	100	VOC	100	0.005	40.560	0.020	0.000	0.020
			347			Combined HAP & VOC		0.167	1561.98	0.781		
						Total HAP		0.17343	1519.26		0.760	0.000
						Total VOC		0.005	40.56		0.000	0.020

NA - Not Applicable
HAP = Hazardous Air Pollutants
VOC = Volatile Organic Compounds
MEK - Methyl Ethyl Ketone
Co - Cobalt

TABLE 1 (Page 2 of 4)
SPRAY PAINT BOOTHS
ESTIMATED VOC EMISSIONS
FLAIR MANUFACTURING
OCALA, FLORIDA
DELTA PROJECT NO. B096-018

Reference Number	CAT#	General Description	Quantity Used (gal\yr)	Density (lb\gal)	% Compo-sition	Pollutants	Pollutant Weight Percent	Actual Emissions (lb/hr)	Actual Emissions (lb/yr)	Potential Emissions (TPY)	HAP Emissions (TPY)	VOC Emissions (TPY)
11	1231025	37-F-4	49	Solid	100	NA	NA	NA	NA	NA	NA	NA
12	1255165	7-T-41	10	7.4	100	VOC	85	0.007	62.900	0.031	0.000	0.031
						Xylene	5	0.000	3.700	0.002	0.002	0.000
						Ethyl Benzene	10	0.001	7.400	0.004	0.0037	0.000
13	1244648	White	79	SOLID	93	VOC	26	NA	NA	NA	NA	NA
		Primer				Xylene	12	NA	NA	NA	NA	NA
14	1255159	7-T-35	4464	7.5	100	VOC	100	3.822	33480.000	16.740	0.000	16.740
15	1239800	84-W-71	1500	13.3	89	VOC	44	1.002	8778.000	4.389	0.000	4.389
						Ethyl Benzene	1	0.023	199.500	0.100	0.100	0.000
						Formaldehyde	1	0.023	199.500	0.100	0.100	0.000
						Xylene	1	0.023	199.500	0.100	0.100	0.000
						Toluene	1	0.023	199.500	0.100	0.100	0.000
16	1251010	530-2658	10	7.25	100	VOC	80	0.007	58.000	0.029	0.000	0.029
						Toluene	20	0.002	14.500	0.007	0.007	0.000
17	1252934	R71954	3	6.75	100	Ethyl Benzene	5	0.000	1.013	0.001	0.001	0.000
						Xylene	25	0.001	5.063	0.003	0.003	0.000
						VOC	70	0.002	14.175	0.007	0.000	0.007
18	1255157	13-F-12	13	9.2	92	VOC	75	0.010	89.700	0.045	0.000	0.045
19	1237327	84-W-74	10	10.7	100	VOC	70	0.009	74.900	0.037	0.000	0.037
						Ethyl Benzene	1	0.001	1.070	0.001	0.001	0.000
						Xylene	1	0.001	1.070	0.001	0.001	0.000
						Formaldehyde	1	0.001	1.070	0.001	0.001	0.000
CUMMULATIVE TOTAL			6485			Combined HAP & VOC		0.079	659.56	21.695		
						Total HAP		0.09507	832.85		0.416	0.000
						Total VOC		4.858	42555.72		0.000	21.279

NA - Not Applicable
HAP = Hazardous Air Pollutants
VOC = Volatile Organic Compounds
MEK - Methyl Ethyl Ketone
Co - Cobalt

TABLE 1 (Page3 of 4)
SPRAY PAINT BOOTHS
ESTIMATED VOC EMISSIONS
FLAIR MANUFACTURING
OCALA, FLORIDA
DELTA PROJECT NO. B096-018

Reference Number	CAT#	General Description	Quantity Used (gal\yr)	Density (lb\gal)	% Compo-sition	Pollutants	Pollutant Weight Percent	Actual Emissions (lb/hr)	Actual Emissions (lb/yr)	Potential Emissions (TPY)	HAP Emissions (TPY)	VOC Emissions (TPY)
20	1246540	Carboline Part B	10	11.7	70	VOC	20	0.003	23.400	0.012	0.000	0.012
						Toluene	5	0.001	5.850	0.003	0.003	0.000
						Xylene	5	0.001	5.850	0.003	0.003	0.000
21	1249624	Carboline Part A	10	11.5	70	VOC	20	0.003	23.000	0.012	0.000	0.012
						Toluene	5	0.001	5.750	0.003	0.003	0.000
						Xylene	5	0.000	0.000	0.000	0.000	0.000
22	1255158	37-F-209	10	8.6	86	VOC	20	0.002	17.200	0.009	0.000	0.009
						Xylene	30	0.003	25.800	0.013	0.013	0.000
						Ethyl Benzene	5	0.000	4.300	0.002	0.002	0.000
						Naphthalene	1	0.000	0.860	0.000	0.000	0.000
23	1258365	84-W-72	358	11.9	95	VOC	58	0.282	2470.916	1.235	0.000	1.235
						Toluene	2	0.010	85.204	0.043	0.043	0.000
24	1252090	84-W-73	116	10.9	100	VOC	84	0.121	1062.096	0.531	0.000	0.531
						Toluene	1	0.001	12.644	0.006	0.006	0.000
						Formaldehyde	1	0.001	12.644	0.006	0.006	0.000
						Ethyl Benzene	1	0.001	12.644	0.006	0.006	0.000
25	1181463	78-D-7	14	12.7	51	VOC	46	0.009	81.788	0.041	0.000	0.041
						MEK	5	0.001	8.890	0.004	0.004	0.000
26	1251018	V66-V44	12	9.7	100	VOC	28	0.004	32.592	0.016	0.000	0.016
						Toluene	72	0.010	83.808	0.042	0.042	0.000
27	1251019	V66-V55	11	9.7	100	VOC	100	0.012	106.700	0.053	0.000	0.053
28	1251777	5214-1148	10	8.3	61	VOC	50	0.005	41.500	0.021	0.000	0.021
29	1251004	Reducer R6-14-30	35	6.75	85	VOC	25	0.007	59.063	0.030	0.000	0.030
						Ethyl Benzene	5	0.001	11.813	0.006	0.000	0.006
						Xylene	25	0.007	59.063	0.030	0.000	0.030
						MEK	30	0.008	70.875	0.035	0.035	0.000
CUMMULATIVE TOTAL			7071			Combined HAP & VOC		0.066	581.38	2.162		
						Total HAP		0.03825	335.10		0.168	0.000
						Total VOC		0.455	3988.95		0.000	1.995

NA - Not Applicable
HAP = Hazardous Air Pollutants
VOC = Volatile Organic Compounds
MEK - Methyl Ethyl Ketone
Co - Cobalt

TABLE 1 (Page 4 of 4)
SPRAY PAINT BOOTHS
ESTIMATED VOC EMISSIONS
FLAIR MANUFACTURING
OCALA, FLORIDA
DELTA PROJECT NO. B096-018

Reference Number	CAT#	General Description	Quantity Used (gal\yr)	Density (lb\gal)	% Compo-sition	Pollutants	Pollutant Weight Percent	Actual Emissions (lb/hr)	Actual Emissions (lb/yr)	Potential Emissions (TPY)	HAP Emissions (TPY)	VOC Emissions (TPY)
30	1254991	97-130	48	11.3	100	VOC	60	0.037	325.440	0.163	0.000	0.163
						Xylene	2	0.001	10.848	0.005	0.005	0.000
31	1254991	97-139	48	10.7	100	VOC	25	0.015	128.400	0.064	0.000	0.064
						Xylene	10	0.006	51.360	0.026	0.026	0.000
32	-	V66-VB11	1	7.03	96	Xylene	51	0.000	3.585	0.002	0.002	0.000
						Ethyl Benzene	9	0.000	0.633	0.000	0.000	0.000
						MEK	36	0.000	2.531	0.001	0.001	0.000
33	-	VF-026	10	10.5	100	MEK	100	0.012	105.000	0.053	0.053	0.000
34	-	13-R-62	1000	13	100	VOC	25	0.371	3250.000	1.625	0.000	1.625
						Ethyl Benzene	1	0.015	130.000	0.065	0.065	0.000
						Xylene	1	0.015	130.000	0.065	0.065	0.000
35	-	13-T-62	1000	10.7	100	VOC	25	0.305	2675.000	1.338	0.000	1.338
						Toluene	5	0.061	535.000	0.268	0.268	0.000
						Formaldehyde	1	0.012	107.000	0.054	0.054	0.000
						Xylene	1	0.012	107.000	0.054	0.054	0.000
						Ethyl Benzene	1	0.012	107.000	0.054	0.054	0.000
36	-	89-T-2	328	11.8	100	VOC	99	0.437	3831.696	1.916	0.000	1.916
						Ethyl Benzene	1	0.004	38.704	0.019	0.019	0.000
37	-	89-J-5	328	11.0	100	VOC	46	0.189	1659.680	0.830	0.000	0.830
						MEK	15	0.062	541.200	0.271	0.271	0.000
38	-	89-T-1R	328	10.9	100	VOC	45	0.184	1608.840	0.804	0.000	0.804
						Toluene	5	0.020	178.760	0.089	0.089	0.000
39	-	V78-T-PR	16	7.75	100	VOC	90	0.013	111.600	0.056	0.000	0.056
						Ethyl Benzene	10	0.001	12.400	0.006	0.006	0.000
40	-	84-T-6	2000	7.3	100	VOC	95	1.583	13870.000	6.935	0.000	6.935
CUMMULATIVE TOTAL			12178			Combined HAP & VOC		2.519	22066.88	14.761		
						Total HAP		0.23527	2060.93		1.031	0.000
						Total VOC		3.135	27459.39		0.000	13.730
				GRANDTOTAL		Combined HAP & VOC			24869.80	39.4		
						Total HAP		0.54203	4748.14		2.4	
						Total VOC		8.45258	74044.61			37

NA - Not Applicable
HAP = Hazardous Air Pollutants
VOC = Volatile Organic Compounds
MEK - Methyl Ethyl Ketone
Co - Cobalt

TABLE 2
ESTIMATED SANDBLASTING EMISSIONS
FLAIR MANUFACTURING
Ocala, Florida
Delta Project No. B096-018

Sandblast Unit	Annual Hours Operated (1)	Aggregate Type	Aggregate Flow Rate lbs/hr (2)	Percent Aggregate Loss (3)	Dust Loading To Fabric Filter lbs/hr (4)	% Removal Fabric Filter	Estimated Emissions lbs/hr	Estimated Emissions Tons/yr
Large Empire Blast Room - SB1	7280	Steel Grit	740	0.25	1.85	99.90	0.00185	0.006734
Small DeLong Blast Room - SB5	7280	Sand	740	1.09	8.066	99.85	0.012099	0.04404036
Teflon Blast Room - SB2	1456	Sand	740	1.24	9.176	99.90	0.009176	0.006680128
					TOTALS		**0.023125**	**0.057454488**

(1) 20 hrs/day (Large Empire and Small Delong) & 4 hrs/day (Teflon), 7 day/week, 52 week/year
(2) 5/16 inch dia nozzle, 1 sandblast wand
(3) Percent of aggregate lost per cycle of operation (See Table Below)
(4) (hrs operated x Aggregate Flow Rate x Aggregate Loss %) = appx loading to Fabric Filter

AGGREGATE LOSS PERCENT

Sandblast Unit	Annual Amount Aggregate Applied To Work piece (lbs)	Annual Make-up Aggregate (lbs)	Aggregate Loss Percent
Large Empire Blast Room - SB1	5387200	13336	0.25
Small DeLong Blast Room - SB5	5387200	58600	1.09
Teflon Blast Room - SB2	1077440	13400	1.24

TABLE 3
EMISSION POINT (STACK/POINT) INFORMATION
FLAIR MANUFACTURING
OCALA, FLORIDA
DELTA PROJECT B096-018

Identifcation Of Point	Emission Point Type Code	Stack Description	Identification Numbers	Discharge Type Code	Stack Height (feet)	Exit Dimensions (feet)	Exit Temperature degrees F	Percent Water Vapor %
1-1	3	Large Paint Booth	NA	V	45	3.5 x 3.3	87	0
1-2	3	Small Paint Booth	NA	V	45	2 x 3.3	87	0
1-3	3	Large Paint Mixing Booth	NA	V	27	1.5	87	0
1-4	3	Small Paint Mixing Booth	NA	V	27	1.5	87	0
1-5	3	Large Empire Standblaster	NA	V	3	2	87	0
1-6	3	Small Delong Sandblaster	NA	V	3	1.5	87	0
1-7	3	Teflon Sandblaster	NA	H	6	2 x 2	87	0

Identification Points located on Figure 2
3 - A representative emission point of multiple points serving a single emission unit.
NA = Not Applicable
V = Vertical
H = Horizontal

FIGURES

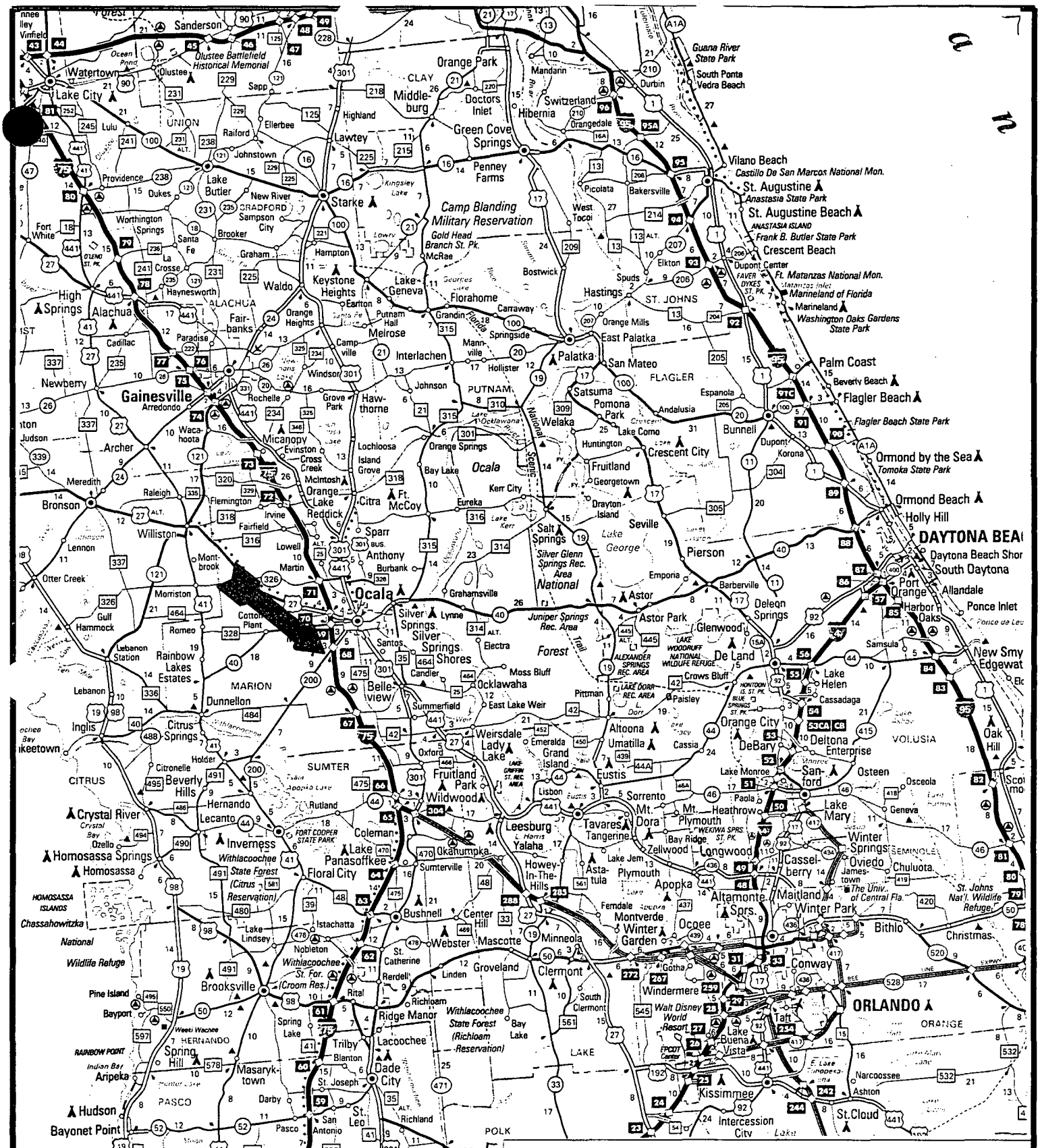
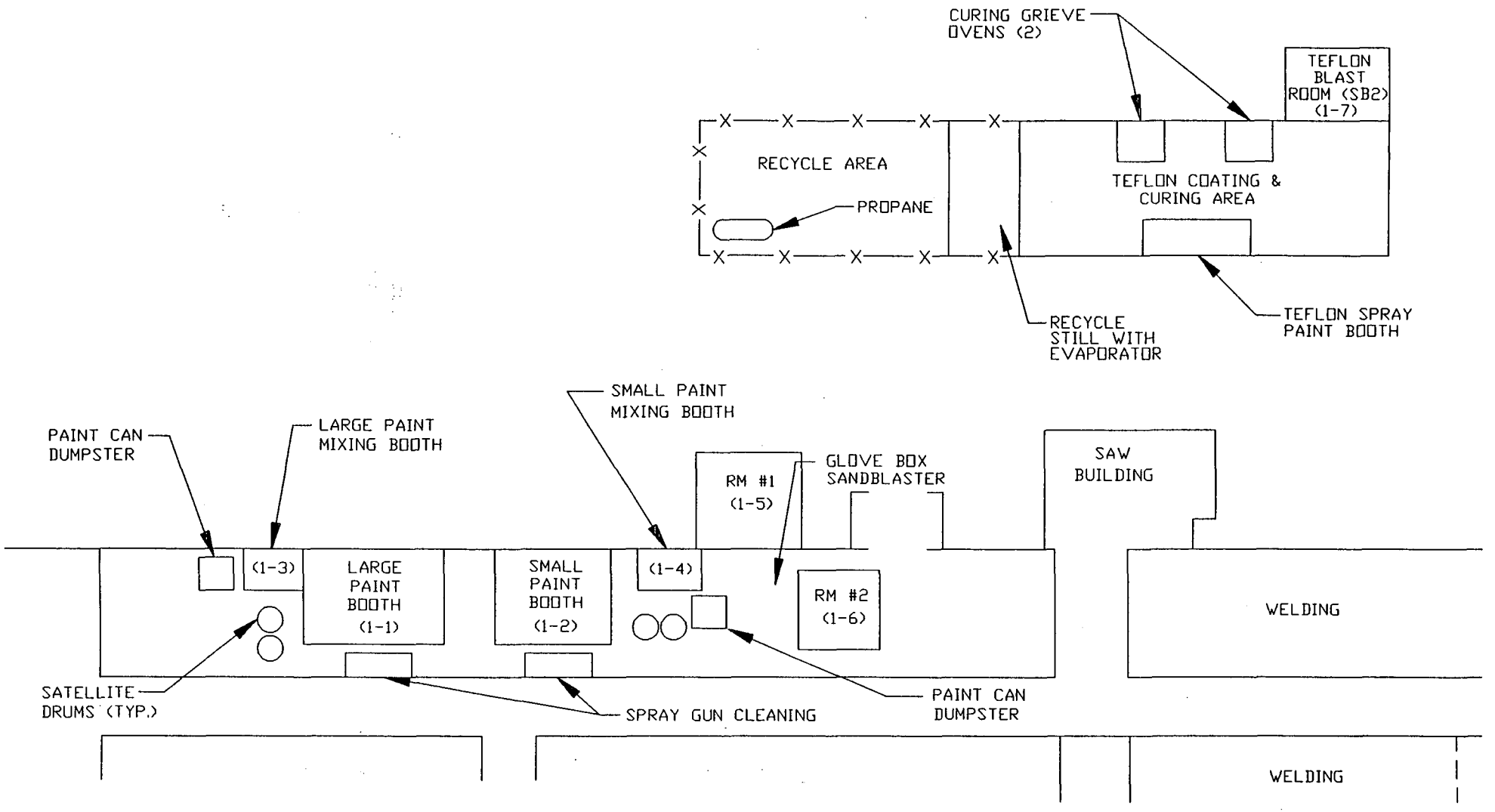


FIGURE 1
SITE LOCATOR MAP
FLAIR MANUFACTURING
OCALA, FLORIDA

PROJ. NO.	PREP. BY	DRAWN BY
B096-018		L.W.T.
DATE	REV. BY	DWG. NO.
8-26-97		T-001

Delta Environmental Consultants, Inc.



LEGEND

RM #1	EMPIRE SANDBLASTING ROOM (SB1)
RM #2	DELONG SANDBLASTING ROOM (SB5)
(1-1)	LOCATIONS OF VENT STACK 1-1 (SEE TABLE3 FOR VENT STACK INFORMATION)

N

SCALE 1"=10'

0 10'

FIGURE 2
FACILITY PLAN
FLAIR MANUFACTURING
OCALA, FLORIDA

PROJ. NO. B096-018	PREP. BY	DRAWN BY L.W.T.
DATE 8-26-97	REV. BY	DWG. NO. S2-001

Delta Environmental Consultants, Inc.

FIGURE 3

PROCESS FLOW DIAGRAM

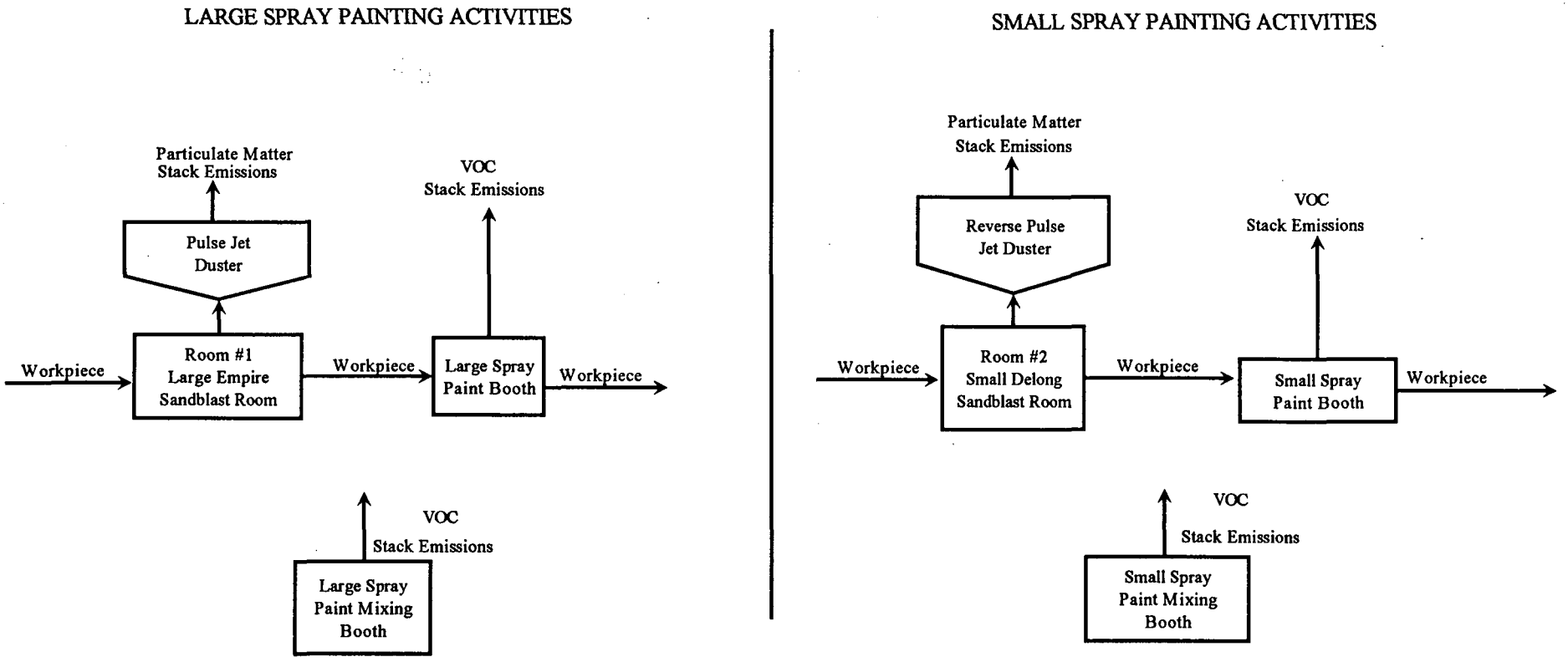


FIGURE 3
PROCESS FLOW DIAGRAM
FLAIR MANUFACTURING
OCALA, FLORIDA
DELTA PROJECT NO. B096-018

FIGURE 3 - CONTINUED

PROCESS FLOW DIAGRAM

TEFLON SANDBLASTING/COATING OPERATIONS

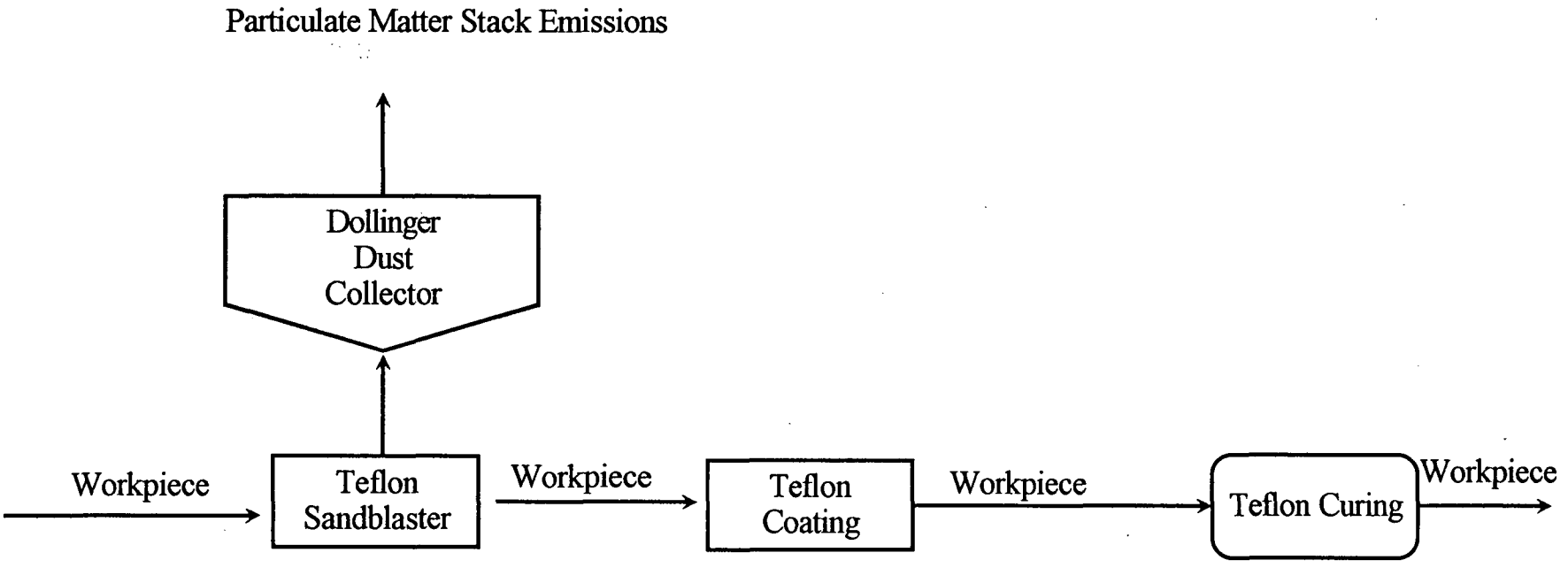


FIGURE 3 CONTINUED
PROCESS FLOW DIAGRAM
FLAIR MANUFACTURING
OCALA, FLORIDA
DELTA PROJECT NO. B096-018

APPENDICES

APPENDIX A

INSIGNIFICANT SOURCES

APPENDIX A

FLAIR MANUFACTURING
OCALA, FLORIDA
DELTA PROJECT NO. B096-018

LIST OF INSIGNIFICANT SOURCES

RECYCLE STILL	A Siva unit located in the recycle area at the facility is used to recycle spent solvents. The unit is a closed loop system. Vapors are condensed using chilled water. The Seba unit processes approximately 30 gallons per 8 hours. VOC fugitive emissions are emitted during transfer operations.
EVAPORATOR	An evaporator is located in the recycle area at the facility. The evaporator is used to volatilze water contaminated with lube and hydraulic oils to the atomosphere. Approximately 55 gallons of water are processed each day and the evaporator is utilized approximately 5 days per week.
SATELLITE DRUMS	Two satellite drums are present in the main facility building. The drums are used to collect paint bottoms. The paint bottoms are recycled in the still.
GUN CLEANING STATIONS	There is one gun cleaning station associated with each spray paint booth.
PAINT CAN DUMPSTERS	
PARTS WASHERS	
1000 GALLON PROPANE TANK	
LARGE ASSEMBLY AREA	The large assembly area is located outside the facility. It is used for assembly of larger equipment. Spray painting and sandblasting activities occur in this exterior area approximately 3 times per year. The duration of these activities is approximately one day one spray gun per event and one day one sandblasting nozzle per event.
GLOVE BOX SANDBLAST UNIT	One Empire Model PF 3648 "Glove Box" sandblast unit which is equipped with a Model DCM 80A dust collector. The unit is vented inside the manufacturing building and has no exterior stack.

APPENDIX B

EXEMPT POLLUTANT EMITTING ACTIVITIES

APPENDIX B

FLAIR MANUFACTURING
OCALA, FLORIDA
DELTA PROJECT NO. B096-018

EXEMPT POLLUTANT EMITTING ACTIVITIES

Activity	Exemption
Teflon Coating	62-210.300(3)(a)23
Teflon Curing	62-210.300(3)(a)23
Welding	62-210.300(3)(a)16

APPENDIX C

RECORDKEEPING

MONTHLY AND CUMMULATIVE VOC EMISSION RECORDS

July

Monthly Inventory for VOC Emmissions Tracking
Spray Paint Booths

	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW-1A	SW-1B
Reference #	1	2	3	4	5	6	7	8	9	10	11
Catelog Number	1244636	1246558	1244161	1265293	1252868	1257413	1252121	1259588	1244648	1251003	1251018
Description	FC Gl Blk	FC Quarry	FC IR White	FC Topaz	FC Pewter	FC Newport	FC Steel	FC Pne Green	FC White	Polane E65A71	V66-V44
Density (/bs/gal)	8.2	9.1	10.2	9.0	9.0	9.4	8.8	8.8	11.1	19.4	9.7
Pollutant Weight	0.54	0.47	0.39	0.51	0.47	0.50	0.50	0.50	0.39	0.50	0.51
7/1/97											
7/2/97											
7/3/97											
7/4/97											
7/5/97											
7/6/97											
7/7/97											
7/8/97	0.25							0.50			
7/9/97				0.25				0.25	0.25	0.33	0.09
7/10/97			1.00					1.25	0.25	0.50	0.13
7/11/97								0.25	0.25		
7/12/97	0.25							0.25			
7/13/97											
7/14/97			0.75					0.25			
7/15/97	0.25			1.00				0.50	0.25	0.33	0.09
7/16/97	0.75							4.50	1.50		
7/17/97	0.75							1.75	1.25	0.33	0.09
7/18/97											
7/19/97											
7/20/97											
7/21/97								0.50	0.25		
7/22/97											
7/23/97											
7/24/97	0.25							0.25			
7/25/97	3.00	0.25	0.25						0.75		
7/26/97			0.25								
7/27/97		0.25		0.25							
7/28/97			1.00						0.50		
7/29/97											
7/30/97											
7/31/97											
PRODUCT USAGE (GALS)											
Product Totals (gal)	5.50	0.50	3.25	1.50	0.00	0.00	0.00	10.25	5.25	1.49	0.38
July Total (gal)	243.26										
VOC EMISSIONS											
Product Totals (lbs)	24.35	2.14	12.93	6.89	0.00	0.00	0.00	45.10	22.73	14.39	1.89
July Total (lbs)	1,587.99										

Monthly Inventory for VOC Emmissions Tracking
Spray Paint Booths

	SW-1C	SW-2A	SW-2B	SW-2C	SW	SW	VS	VS	VS	VS	VS	VS
Reference #	12	13	14	15	16	17	18	19	20	21	22	23
Catelog Number	1251010	1251002	1251019	1251004	1252934	-	1231025	1239800	123083	1213709	1218260	1216411
Description	R7K84	Base F63	V66-V55	R6K30	R7K54	V66-VB11	37F4	84W71	84W71 F26	84W71 Gra	84W71 White	84W71 Ivory
Density (/bs/gal)	7.3	8.5	9.7	6.8	6.8	7.0	10.0	13.3	13.3	13.3	13.3	13.3
Pollutant Weight	1.00	0.35	1.00	0.50	1.00	0.96	0.47	0.35	0.35	0.35	0.35	0.35
7/1/97												
7/2/97												
7/3/97												
7/4/97												
7/5/97												
7/6/97												
7/7/97												
7/8/97									1.75		0.38	
7/9/97	0.09								0.63			
7/10/97	0.13								0.75			0.13
7/11/97									0.13			
7/12/97									0.63			
7/13/97									0.50			
7/14/97									0.75			
7/15/97	0.09				0.25				1.50		0.13	0.75
7/16/97											0.13	0.25
7/17/97	0.09											
7/18/97												
7/19/97												
7/20/97												
7/21/97									0.75		0.13	
7/22/97									0.25			
7/23/97												
7/24/97									0.75			
7/25/97									0.75			
7/26/97									0.63			
7/27/97									0.25		0.13	0.13
7/28/97									0.25			
7/29/97												
7/30/97												
7/31/97												
PRODUCT USAGE (GALS)												
Product Totals (gal)	0.38	0.00	0.00	0.00	0.25	0.00	0.00	0.00	10.25	0.00	0.88	1.25
July Total (gal)												
VOC EMISSIONS												
Product Totals (lbs)	2.76	0.00	0.00	0.00	1.69	0.00	0.00	0.00	47.71	0.00	4.10	5.82
July Total (lbs)												

Monthly Inventory for VOC Emmissions Tracking
Spray Paint Booths

	VS	VS	VS	VS	VS	VS	VS	VS	VS	VS	VS
Reference #	24	25	26	27	28	29	30	31	32	33	34
Catelog Number	1242613	1258365	1252090	1259441	1237327	1266879	Catalyst	1255159	1255165	1255157	125070
Description	84W71 Dk Gray	84W72	84W73 Blue	84W73 Beige	84W74 Berkshire	84W74 Dusk Red	84T6	7T35	7T41	13F12	13R62
Density (/bs/gal)	13.3	11.9	10.9	10.9	10.7	10.7	7.3	7.5	7.4	9.2	13.0
Pollutant Weight	0.35	0.37	0.38	0.38	0.37	0.37	0.69	1.00	0.85	0.41	0.49
7/1/97							0.00				
7/2/97							0.00				
7/3/97							0.00				
7/4/97											
7/5/97											
7/6/97											
7/7/97											
7/8/97							2.13	15.98			1.50
7/9/97			0.50				1.13	8.48			2.50
7/10/97			0.75				1.63	12.23			1.50
7/11/97			0.25				0.38	2.85			3.75
7/12/97			0.50				1.13	8.48			2.50
7/13/97			0.50				1.00	7.50			
7/14/97							0.75	5.63			0.25
7/15/97			0.38				2.75	20.63			2.50
7/16/97			0.25				0.63	4.73			1.00
7/17/97			0.13				0.13	1.00			2.00
7/18/97											
7/19/97											
7/20/97											
7/21/97	0.13						1.00	7.50			3.00
7/22/97			1.13				1.38	10.35			0.25
7/23/97											2.00
7/24/97							0.75	5.63			1.25
7/25/97			0.38				1.13	8.48		0.50	0.75
7/26/97			0.25				0.88	6.60			4.25
7/27/97			0.63				1.13	8.48			0.25
7/28/97			0.38				0.63	4.73			0.75
7/29/97											
7/30/97											
7/31/97											
PRODUCT USAGE (GALS) Product Totals (gal) July Total (gal)	0.13	0.00	6.00	0.00	0.00	0.00	18.51	139.25	0.00	0.50	30.00
VOC EMISSIONS Product Totals (lbs) July Total (lbs)	0.68	0.00	24.85	0.00	0.00	0.00	93.21	1,044.38	0.00	1.89	191.10

Monthly Inventory for VOC Emmissions Tracking
Spray Paint Booths

	VS	VS	VS	VS	VS	CR	CR	CR	CR	CR	DP	DP
Reference #	35	36	37	38	39	40	41	42	43	44	45	46
Catelog Number	1255158	1196267	1255182	1255182	-	1262942	1262943	1265452	-	1245453	1266384	1266385
Description	37F209	89J5K Black	89T2	89T1R	V78-T-PR	890 Part A	890 Part B	133HB	133 Conv	CARBO ZINC 11	LF63726P	VG026
Density (/bs/gal)	8.6	11.0	11.8	10.9	7.8	11.5	13.6	12.1	8.9	9.8	13.7	8.3
Pollutant Weight	0.67	0.47	0.45	0.50	1.00	0.17	0.33	0.45	0.29	0.78	0.64	1.00
7/1/97												
7/2/97												
7/3/97												
7/4/97												
7/5/97												
7/6/97												
7/7/97												
7/8/97		0.25										
7/9/97										1.00		
7/10/97		0.25										
7/11/97												
7/12/97		0.25										
7/13/97		0.25										
7/14/97		0.25										
7/15/97												
7/16/97												
7/17/97												
7/18/97												
7/19/97												
7/20/97						1.00	1.00					
7/21/97								1.41	0.09			
7/22/97										0.25		
7/23/97								0.94	0.06			
7/24/97												
7/25/97		0.50										
7/26/97												
7/27/97		0.25										
7/28/97												
7/29/97												
7/30/97												
7/31/97												
PRODUCT USAGE (GALS)												
Product Totals (gal)	0.00	2.00	0.00	0.00	0.00	1.00	1.00	2.34	0.16	1.25	0.00	0.00
July Total (gal)												
VOC EMISSIONS												
Product Totals (lbs)	0.00	10.34	0.00	0.00	0.00	1.96	4.49	12.76	0.40	9.86	0.00	0.00
July Total (lbs)												

Monthly Inventory for VOC Emmissions Tracking
Spray Paint Booths

	AM	AM	AM	AM	AM	PPG	PPG	PPG	PPG
Reference #	47	48	49	50	51	52	53	54	55
Catelog Number	1266973	1266974	1266975	Catalyst		125511	1254993	1254991	1254991
Description	385PA Buff	385 White	385 Perl Gray	385 Cure	101 Thinner	97-727	97-730	97-130	97-139
Density (/bs/gal)	12.3	12.2	12.2	11.4	6.9	7.2	6.8	11.3	10.7
Pollutant Weight	0.32	0.31	0.31	0.45	1.00	1.00	1.00	0.85	0.35
7/1/97									
7/2/97									
7/3/97									
7/4/97									
7/5/97									
7/6/97									
7/7/97									
7/8/97									
7/9/97									
7/10/97									
7/11/97									
7/12/97									
7/13/97									
7/14/97									
7/15/97									
7/16/97									
7/17/97									
7/18/97									
7/19/97									
7/20/97									
7/21/97									
7/22/97									
7/23/97									
7/24/97									
7/25/97									
7/26/97									
7/27/97									
7/28/97									
7/29/97									
7/30/97									
7/31/97									
PRODUCT USAGE (GALS)									
Product Totals (gal)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
July Total (gal)									
VOC EMISSIONS									
Product Totals (lbs)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
July Total (lbs)									

Au_ .st

MONTHLY INVENTORY for VOC EMMISSIONS TRACKING
SPRAY PAINT BOOTHS

	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW-1A	SW-1B
Reference #	1	2	3	4	5	6	7	8	9	10	11
Catelog Number	1244636	1246558	1244161	1265293	1252868	1257413	1252121	1259589	1244648	1251003	1251018
Description	FC Gl Blk	FC Quarry	FC IR-White	FC Topaz	FC Pewter	FC Newport	FC Steel	FC Pne Green	FC White	Polane E65A71	V66-V44
Density (/bs/gal)	8.2	9.1	10.2	9.0	9.0	9.4	8.8	8.8	11.1	19.4	9.7
Pollutant Weight	0.54	0.47	0.39	0.51	0.47	0.50	0.50	0.50	0.39	0.50	0.51
8/1/97											
8/2/97	0.25	0.25	0.50	0.25							
8/3/97											
8/4/97	0.25							1.00	0.25		
8/5/97	0.25		1.00					2.25	2.50		
8/6/97				1.00					1.00		
8/7/97											
8/8/97	0.25		0.50	1.00				0.25	1.25		
8/9/97									1.00		
8/10/97											
8/11/97			1.00					1.00	1.00		
8/12/97	0.50		1.50	2.00					2.25		
8/13/97	0.75	0.25	1.00					1.00	0.25	0.99	0.26
8/14/97	0.50		0.25	0.50				0.50		0.66	0.17
8/15/97	0.25										
8/16/97			2.50						1.75		
8/17/97			1.00						0.50		
8/18/97		0.50						4.00	2.75		
8/19/97			1.50						1.00	0.66	0.17
8/20/97			2.00						1.00		
8/21/97	0.25		1.50						1.00		
8/22/97											
8/23/97											
8/24/97											
8/25/97								0.50	0.25		
8/26/97	0.25			0.50				1.50	1.50		
8/27/97	0.50	0.75							1.25		
8/28/97											
8/29/97	0.50	0.25	3.00						2.25		
8/30/97											
8/31/97											
PRODUCT USAGE (GALS)											
Product Totals (gal)	4.50	2.00	17.25	5.25	0.00	0.00	0.00	12.00	22.75	2.31	0.60
July Total (gal)	429.52										
VOC EMISSIONS											
Product Totals (lbs)	19.93	8.55	68.62	24.10	0.00	0.00	0.00	52.80	98.48	22.38	2.94
July Total (lbs)	2,669.43										

August

MONTHLY INVENTORY for VOC EMMISSIONS TRACKING
SPRAY PAINT BOOTHS

	SW-1C	SW-2A	SW-2B	SW-2C	SW	SW	VS	VS	VS	VS	VS	VS
Reference #	12	13	14	15	16	17	18	21	22	23	24	25
Catelog Number	1251010	1251002	1251019	1251004	1252934	-	1231025	1239800	123083	1213709	1218260	1216411
Description	R7K84	Base F63	V66-V55	R6K30	R7K54	V66-VB11	37F4	84W71	84W71 F26	84W71 Gray	84W71 White	84W71 Ivory
Density (/bs/gal)	7.3	8.5	9.7	6.8	6.8	7.0	10.0	13.3	13.3	13.3	13.3	13.3
Pollutant Weight	1.00	0.35	1.00	0.50	1.00	0.96	0.47	0.35	0.35	0.35	0.35	0.35
8/1/97												
8/2/97												
8/3/97												
8/4/97										1.50		
8/5/97							0.25					
8/6/97										0.63		0.13
8/7/97									0.25	1.25		0.25
8/8/97											0.25	
8/9/97												
8/10/97												
8/11/97										0.13	0.25	0.13
8/12/97										0.25		
8/13/97	0.26									0.25		
8/14/97	0.17									1.50	0.25	
8/15/97									0.50	0.25		
8/16/97												
8/17/97										1.00		
8/18/97										1.50	0.25	
8/19/97	0.17										0.25	
8/20/97											0.25	
8/21/97										0.25		
8/22/97										0.63		0.13
8/23/97										0.25		
8/24/97										0.38	0.25	
8/25/97										0.50		
8/26/97											1.00	
8/27/97										0.25	0.38	0.13
8/28/97										0.63		
8/29/97												
8/30/97												
8/31/97												
PRODUCT USAGE (GALS)												
Product Totals (gal)	0.60	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.75	11.13	3.13	0.75
July Total (gal)												
VOC EMISSIONS												
Product Totals (lbs)	4.31	0.00	0.00	0.00	0.00	0.00	1.18	0.00	3.49	51.79	14.55	3.49
July Total (lbs)												

August

MONTHLY INVENTORY for VOC EMMISSIONS TRACKING
SPRAY PAINT BOOTHS

	VS	VS	VS	VS	VS	VS	VS	VS	VS	VS	VS
Reference #	26	27	28	29	30	31	32	20	19	33	34
Catelog Number	1242613	1258365	1252090	1259441	1237327	1266879	Catalyst	1255159	1255165	1255157	125070
Description	84W71 DK Gray	84W72	84W73 Blue	84W73 Beige	84W74 Berkshire	84W74 Dusk Red	84T6	7T35	7T41	13F12	13R62
Density (/bs/gal)	13.3	11.9	10.9	10.9	10.7	10.7	7.3	7.5	7.4	9.2	13.0
Pollutant Weight	0.35	0.37	0.38	0.38	0.37	0.37	0.69	1.00	0.85	0.41	0.49
8/1/97											
8/2/97											1.00
8/3/97											
8/4/97			0.25				1.75	12.25			3.25
8/5/97			0.50				0.50	3.75			3.50
8/6/97			0.25				1.00	7.50			3.00
8/7/97							1.75	12.25			1.00
8/8/97							0.25	1.88			2.00
8/9/97			0.50				0.50	3.75			
8/10/97											
8/11/97							0.50	3.75			2.50
8/12/97			0.38				0.63	4.73			1.50
8/13/97			0.25				0.50	3.75			
8/14/97			1.00			0.13	2.88	21.60			2.00
8/15/97	0.25		0.25		0.38	0.13	1.75	12.25			1.25
8/16/97											1.00
8/17/97			0.25				1.25	9.38			
8/18/97							1.75	12.25			3.00
8/19/97							0.25	1.88			
8/20/97							0.25	1.88			
8/21/97							0.25	1.88			
8/22/97			1.00		0.13		1.88	14.10			3.00
8/23/97			1.50				1.75	12.25			3.50
8/24/97			0.38				1.00	7.50			1.50
8/25/97			0.63	0.13			1.25	9.38			0.50
8/26/97			1.00			0.63	2.63	19.73			2.50
8/27/97	0.13		1.63				2.50	15.00			1.75
8/28/97			1.25				1.88	14.10			4.00
8/29/97			0.50				0.50	3.75			0.50
8/30/97											
8/31/97											
PRODUCT USAGE (GALS) Product Totals (gal) July Total (gal)	0.38	0.00	11.50	0.13	0.50	0.88	29.13	210.52	0.00	0.00	42.25
VOC EMISSIONS Product Totals (lbs) July Total (lbs)	1.75	0.00	47.63	0.52	1.98	3.46	146.70	1,578.90	0.00	0.00	269.13

Aug ust

MONTHLY INVENTORY for VOC EMMISSIONS TRACKING
SPRAY PAINT BOOTHS

	VS	VS	VS	VS	VS	CR	CR	CR	CR	CR	DP	DP
Reference #	35	36	37	38	39	40	41	42	43	44	45	46
Catelog Number	1255158	1196267	1255182	1255182	-	1262942	1262943	1265452		1245453	1266384	1266385
Description	37F209	89J5K Black	89T2	89T1R	V78-T-PR	890 Part A	890 Part B	133HB	133 Conv	CARBO ZINC 11	LF63726P	VG026
Density (/bs/gal)	8.6	11.0	11.8	10.9	7.8	11.5	13.6	12.1	8.9	9.8	13.7	8.3
Pollutant Weight	0.67	0.47	0.45	0.50	1.00	0.17	0.33	0.45	0.29	0.78	0.64	1.00
8/1/97												
8/2/97												
8/3/97												
8/4/97		0.50								1.00		
8/5/97						1.00	1.00					
8/6/97								2.00	2.00	0.75		
8/7/97		0.50										
8/8/97												
8/9/97								1.25	1.25			
8/10/97												
8/11/97						1.38	1.38			1.00		
8/12/97		0.25						0.75	0.75	0.50		
8/13/97						0.38	0.38					
8/14/97		0.50										
8/15/97						1.13	1.13				0.50	
8/16/97								0.63	0.63	1.00		
8/17/97						1.00	1.00	1.38	1.38			
8/18/97										1.00		
8/19/97						0.50	0.50			0.50	1.00	
8/20/97		0.25				0.50	0.50					1.00
8/21/97						0.75	0.75	2.00	2.00			
8/22/97						0.75	0.75					
8/23/97		0.25								0.50		
8/24/97												
8/25/97		0.25				0.25	0.25			1.50		
8/26/97												
8/27/97								0.25	0.25			
8/28/97						0.75	0.75	0.25	0.25	1.00		
8/29/97												
8/30/97												
8/31/97												
PRODUCT USAGE (GALS) Product Totals (gal) July Total (gal)	0.00	2.50	0.00	0.00	0.00	8.38	8.38	8.50	8.50	8.75	1.50	1.00
VOC EMISSIONS Product Totals (lbs) July Total (lbs)	0.00	12.93	0.00	0.00	0.00	16.37	87.59	46.28	21.94	66.89	13.15	8.30

August

MONTHLY INVENTORY for VOC EMMISSIONS TRACKING
SPRAY PAINT BOOTHS

	AM	AM	AM	AM	AM	PPG	PPG	PPG	PPG
Reference #	47	48	49	50	51	52	53	54	55
Catelog Number	1266973	1266974	1266975	Catalyat		1255114	1254993	1254991	1254991
Description	385PA Buff	385 White	385 Perl Gray	385 Cure	101 Thinner	97-727	97-730	97-130	97-139
Density (/bs/gal)	12.3	12.2	12.2	11.4	6.9	7.2	6.8	11.3	10.7
Pollutant Weight	0.32	0.31	0.31	0.45	1.00	1.00	1.00	0.85	0.35
8/1/97									
8/2/97									
8/3/97									
8/4/97									
8/5/97									
8/6/97									
8/7/97									
8/8/97									
8/9/97									
8/10/97									
8/11/97									
8/12/97									
8/13/97									
8/14/97									
8/15/97									
8/16/97									
8/17/97									
8/18/97	0.25			0.25	0.38				
8/19/97									
8/20/97		0.25		0.25	0.38				
8/21/97			0.50	0.50	0.75				
8/22/97									
8/23/97									
8/24/97									
8/25/97									
8/26/97									
8/27/97									
8/28/97									
8/29/97									
8/30/97									
8/31/97									
PRODUCT USAGE (GALS) Product Totals (gal) July Total (gal)	0.25	0.25	0.50	1.00	1.50	0.00	0.00	0.00	0.00
VOC EMISSIONS Product Totals (lbs) July Total (lbs)	0.98	0.95	1.89	5.13	10.35	0.00	0.00	0.00	0.00

September

MONTHLY INVENTORY EMMISSIONS TRACKING
PAINT SPRAY BOOTHS

	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW-1A	SW-1B
Reference #	1	2	3	4	5	6	7	8	9	10	11
Catelog Number	1244636	1246558	1244161	1265293	1252868	1257413	1252121	1259589	1244648	1251003	1251018
Description	FC Gl Blk	FC Quarry	FC IR-White	FC Topaz	FC Pewter	FC Newport	FC Steel	FC Pne Green	FC White	Polane E65A71	V66-V44
Density (/bs/gal)	8.2	9.1	10.2	9.0	9.0	9.4	8.8	8.8	11.1	19.4	9.7
Pollutant Weight	0.54	0.47	0.39	0.51	0.47	0.50	0.50	0.50	0.39	0.50	0.51
9/1/97											
9/2/97			0.25						0.25		
9/3/97				0.50					0.75		
9/4/97	0.50	0.25	0.50						0.75		
9/5/97				0.25							
9/6/97	0.75		0.50	0.75					1.50		
9/7/97	0.25							0.50			
9/8/97											
9/9/97											
9/10/97											
9/11/97											
9/12/97											
9/13/97											
9/14/97											
9/15/97											
9/16/97											
9/17/97											
9/18/97											
9/19/97											
9/20/97											
9/21/97											
9/22/97											
9/23/97											
9/24/97											
9/25/97											
9/26/97											
9/27/97											
9/28/97											
9/29/97											
9/30/97											
PRODUCT USAGE (GALS)											
Product Totals (gal)	1.50	0.25	1.25	1.50	0.00	0.00	0.00	0.50	3.25	0.00	0.00
July Total (gal)	145.05										
VOC EMISSIONS											
Product Totals (lbs)	6.64	1.07	4.97	6.89	0.00	0.00	0.00	2.20	14.07	0.00	0.00
July Total (lbs)	550.55										

September

MONTHLY INVENTORY EMMISSIONS TRACKING
PAINT SPRAY BOOTHS

	SW-1C	SW-2A	SW-2B	SW-2C	SW	SW	VS	VS-A	VS-A	VS-A	VS-A	VS-A
Reference #	12	13	14	15	16	17	18	21	22	23	24	25
Catelog Number	1251010	1251002	1251019	1251004	1252934	-	1231025	1239800	123083	1213709	1218260	1216411
Description	R7K84	Base F63JX	V66-V55	R6K30	R7K54	V66-VB11	37F4	84W71	84W71 F26	84W71 Gray	84W71 White	84W71 Ivory
Density (/bs/gal)	7.3	8.5	9.7	6.8	6.8	7.0	10.0	13.3	13.3	13.3	13.3	13.3
Pollutant Weight	1.00	0.35	1.00	0.50	1.00	0.96	0.47	0.35	0.35	0.35	0.35	0.35
9/1/97												
9/2/97										0.75	1.25	
9/3/97										0.50		
9/4/97										1.50	0.75	
9/5/97										1.00	0.50	
9/6/97										0.38		
9/7/97										0.50	0.50	
9/8/97												
9/9/97												
9/10/97												
9/11/97												
9/12/97												
9/13/97												
9/14/97												
9/15/97												
9/16/97												
9/17/97												
9/18/97												
9/19/97												
9/20/97												
9/21/97												
9/22/97												
9/23/97												
9/24/97												
9/25/97												
9/26/97												
9/27/97												
9/28/97												
9/29/97												
9/30/97												
PRODUCT USAGE (GALS) Product Totals (gal) July Total (gal)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.63	3.00	0.00
VOC EMISSIONS Product Totals (lbs) July Total (lbs)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.53	13.97	0.00

September

MONTHLY INVENTORY EMMISSIONS TRACKING
PAINT SPRAY BOOTHS

	VS-A	VS-A	VS-A	VS-A	VS-A	VS-A	VS-B	VS	VS	VS	VS
Reference #	26	27	28	29	31	32	35	20	19	30	34
Catelog Number	1242613	1258365	1252090	1259441	1237327	1266879	-	1255159	1255165	1255157	125070
Description	84W71 DK Gray	84W72	84W73 Blue	84W73 Beige	84W74 Berkshire	84W74 Dusk Red	84T6	7T35	7T41	13F12	13R62
Density (/bs/gal)	13.3	11.9	10.9	10.9	10.7	10.7	7.3	7.5	7.4	9.2	13.0
Pollutant Weight	0.35	0.37	0.38	0.38	0.37	0.37	0.69	0.38	0.85	0.41	0.49
9/1/97											
9/2/97			0.50			0.63	3.13	23.48			3.00
9/3/97			0.38				0.88	6.60			
9/4/97			0.50				2.75	20.63			2.00
9/5/97			0.75				2.25	16.88			2.00
9/6/97							0.38	2.85			
9/7/97			0.75				1.75	13.13			
9/8/97							0.00				
9/9/97							0.00				
9/10/97							0.00				
9/11/97							0.00				
9/12/97							0.00				
9/13/97							0.00				
9/14/97							0.00				
9/15/97							0.00				
9/16/97							0.00				
9/17/97							0.00				
9/18/97							0.00				
9/19/97							0.00				
9/20/97							0.00				
9/21/97							0.00				
9/22/97							0.00				
9/23/97							0.00				
9/24/97							0.00				
9/25/97							0.00				
9/26/97							0.00				
9/27/97							0.00				
9/28/97							0.00				
9/29/97							0.00				
9/30/97							0.00				
PRODUCT USAGE (GALS)											
Product Totals (gal)	0.00	0.00	2.88	0.00	0.00	0.63	11.13	83.56	0.00	0.00	7.00
July Total (gal)											
VOC EMISSIONS											
Product Totals (lbs)	0.00	0.00	11.91	0.00	0.00	2.47	56.04	238.12	0.00	0.00	44.59
July Total (lbs)											

Sept[illegible]ber

MONTHLY INVENTORY EMMISSIONS TRACKING
PAINT SPRAY BOOTHS

	VS	VS-A	VS-B	VS	VS	CR	CR	CR	CR	CR	DP	DP
Reference #	33	37	36	38	39	40	41	42	43	44	45	46
Catelog Number	1255158	1196267	1255182	1255182	-	1262942	1262943	1265452		1245453	1266384	1266385
Description	37F209	89J5K Black	89T2	89T1R	V78-T-PR	890 Part A	890 Part B	133HB	133 Conv	CARBO ZINC 11	LF63726P	VG026
Density (/bs/gal)	8.6	11.0	11.8	10.9	7.8	11.5	13.6	12.1	8.9	9.8	13.7	8.3
Pollutant Weight	0.67	0.47	0.45	0.50	1.00	0.17	0.33	0.45	0.29	0.78	0.64	1.00
9/1/97												
9/2/97						1.00		2.50				
9/3/97						1.00		0.75		0.50		
9/4/97		0.25	0.25									
9/5/97												
9/6/97						0.50		1.00				
9/7/97		0.13	0.13					0.50				
9/8/97												
9/9/97												
9/10/97												
9/11/97												
9/12/97												
9/13/97												
9/14/97												
9/15/97												
9/16/97												
9/17/97												
9/18/97												
9/19/97												
9/20/97												
9/21/97												
9/22/97												
9/23/97												
9/24/97												
9/25/97												
9/26/97												
9/27/97												
9/28/97												
9/29/97												
9/30/97												
PRODUCT USAGE (GALS)												
Product Totals (gal)	0.00	0.38	0.38	0.00	0.00	2.50	0.00	4.75	0.00	0.50	0.00	0.00
July Total (gal)												
VOC EMISSIONS												
Product Totals (lbs)	0.00	1.94	1.99	0.00	0.00	4.89	0.00	25.86	0.00	3.82	0.00	0.00
July Total (lbs)												

September

MONTHLY INVENTORY EMMISSIONS TRACKING
PAINT SPRAY BOOTHS

	AM-1A	AM-2A	AM-3A	AM-1,2,3,B	AM	PPG	PPG	PPG	PPG
Reference #	47	48	49	50	51	52	53	54	55
Catelog Number	1266973	1266974	1266975	Catalyst		1255114	1254993	1254991	1254991
Description	385PA Buff	385 White	385 Perl Gray	385 Cure	101 Thinne	97-727	97-730	97-130	97-139
Density (/bs/gal)	12.3	12.2	12.2	11.4	6.9	7.2	6.8	11.3	10.7
Pollutant Weight	0.32	0.31	0.31	0.45	1.00	1.00	1.00	0.85	0.35
9/1/97									
9/2/97									
9/3/97									
9/4/97	1.25			1.25	2.38				
9/5/97		1.50		1.50	2.75				
9/6/97			1.25	1.25	2.38				
9/7/97									
9/8/97									
9/9/97									
9/10/97									
9/11/97									
9/12/97									
9/13/97									
9/14/97									
9/15/97									
9/16/97									
9/17/97									
9/18/97									
9/19/97									
9/20/97									
9/21/97									
9/22/97									
9/23/97									
9/24/97									
9/25/97									
9/26/97									
9/27/97									
9/28/97									
9/29/97									
9/30/97									
PRODUCT USAGE (GALS) Product Totals (gal) July Total (gal)	1.25	1.50	1.25	4.00	7.50	0.00	0.00	0.00	0.00
VOC EMISSIONS Product Totals (lbs) July Total (lbs)	4.92	5.67	4.73	20.52	51.75	0.00	0.00	0.00	0.00

ACTUAL MONTHLY ROLLING VOC EMISSIONS
FLAIR MANUFACTURING
OCALA, FLORIDA

Reference Number	CAT#	General Description	Quantity Used gal/12 mth	Density (lb\gal)	Pollutant Weight	VOC Emissions (lbs/12 mth)	VOC Emissions (tons/12 mth)
1	1244636	FC Glss Blk	11.50	8.2	0.54	50.92	0.03
2	1246558	FC Quarry	2.75	9.1	0.47	11.76	0.01
3	1244161	FC IR White	21.75	10.2	0.39	86.52	0.04
4	1265293	FC Topaz	8.25	9	0.51	37.87	0.02
5	1252868	FC Pewter	0.00	9.4	0.5	0.00	0.00
6	1257413	FC Newport	0.00	9.4	0.5	0.00	0.00
7	1252121	FC Steel	0.00	8.8	0.5	0.00	0.00
8	1259588	FC Pne Green	22.75	8.8	0.5	100.10	0.05
9	1244648	FC White	31.25	11.1	0.39	135.28	0.07
10	1251003	Polane E65A71	3.80	19.4	0.5	36.81	0.02
11	1251018	V66-V44	0.98	9.7	0.51	4.84	0.00
12	1251010	R7K84	0.98	7.25	1	7.07	0.00
13	1251002	Base F63	0.00	8.5	0.35	0.00	0.00
14	1251019	V66-V55	0.00	9.7	1	0.00	0.00
15	1251004	R6K30	0.00	6.8	0.5	0.00	0.00
16	1252934	R7K54	0.25	6.8	0.5	0.85	0.00
17	-	V66-VB11	0.00	7	0.96	0.00	0.00
18	1231025	37F4	0.25	10	0.47	1.18	0.00
19	1239800	84W71	0.00	13.3	0.35	0.00	0.00
20	1230383	84W71 F26	11.00	13.3	0.35	51.21	0.03
21	1213709	84W71 Gray	15.75	13.3	0.35	73.32	0.04
22	1218260	84W71 White	7.01	13.3	0.35	32.61	0.02
23	1216411	84W71 Ivory	2.00	13.3	0.35	9.31	0.00
24	1242613	84W71 Dk Gray	0.50	13.3	0.35	2.33	0.00
25	1258365	84W72	0.00	11.9	0.37	0.00	0.00
26	1252090	84W73 Blue	20.38	10.9	0.38	84.39	0.04
27	1259441	84W73 Beige	0.13	10.9	0.38	0.52	0.00
28	1237327	84W74 Berkshire	0.50	10.7	0.37	1.98	0.00
29	1266879	84W74 Dusk Red	1.50	10.7	0.37	5.94	0.00
30	-	84T6 Catalyst	58.76	7.3	0.69	295.95	0.15
31	1255159	7T35	433.32	7.5	1	3249.90	1.62
32	1255165	7T41	0.00	7.4	0.85	0.00	0.00
33	1255157	13F12	0.50	9.2	0.41	1.89	0.00
34	125070	13R62	79.25	13	0.49	504.82	0.25
35	1255158	37F209	0.00	8.6	0.67	0.00	0.00
36	1196267	89J5K Black	4.88	11.0	0.47	25.20	0.01
37	1255182	89T2	0.38	11.8	0.45	1.99	0.00
38	-	V78TPR	0.00	7.8	1	0.00	0.00
39	1262942	Carboline 890 A	11.88	11.5	0.17	23.22	0.01
40	1262943	Carboline 890 B	9.38	13.6	0.33	42.08	0.02
41	1265452	Carboline 133HB	15.59	12.1	0.45	84.91	0.04
42	1265452	Carboline 133Conv	8.66	8.9	0.29	22.34	0.01
43	1245453	Carbo Zinc 11	10.50	9.8	0.78	80.26	0.04
44	1266384	LF63726P	1.50	13.7	0.64	13.15	0.01
45	1266385	VG026	1.00	8.3	1	8.30	0.00
46	1266973	385PA Buff	1.50	12.3	0.32	5.90	0.00
47	1266974	385 White	1.75	12.2	0.31	6.62	0.00
48	1266975	385 Perl Gray	1.75	12.2	0.31	6.62	0.00
49	-	385 Catalyst	5.00	11.4	0.45	25.65	0.01
50	-	101 Thinner	9.00	6.9	1	62.10	0.03
51	1255114	97-727	0.00	7.22	1	0.00	0.00
52	1254993	97-730	0.00	6.8	1	0.00	0.00
53	1254991	97-130	0.00	11.3	0.85	0.00	0.00
54	1254991	97-139	0.00	10.7	0.35	0.00	0.00

Rolling Totals (lbs/12 mth & tons/12 mth)			**5,195.69**	**2.60**
Allowable Emissions (lbs/12 mth)	**74,000**	**lbs**		
Allowable Emissions (tons/12 mth)	**37**	**tons**		
% Emissions		**7.02**		
% Allowable Remaining		**92.98**		

APPENDIX D

RESULTS OF EPA METHOD 9 COMPLIANCE

AUGUST 1997

Delta
Environmental
Consultants, Inc.

5401 W. Kennedy Blvd., Suite 400
Tampa, Florida 33609
813 / 289-5218
FAX: 813 / 289-6950

September 8, 1997

Department Of Environmental Protection
Division of Air Resource Management
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Attention: Mr. Thomas W. Ellison, Jr.
Enforcement Engineer

Subject: Visible Emissions Summary Report
FDEP Permit No: 0830084-002-AC
Flair Manufacturing
Ocala, Florida
Delta Project No. B096-018

Dear Mr. Ellison:

INTRODUCTION

Delta Environmental Consultants, Inc. (Delta) is pleased to submit this report summarizing the Visible Emissions Testing at the Flair Manufacturing Plant (Flair) in Ocala, Florida (Figure 1) on August 6, 1997. One test was performed on each of the following sand blast exhaust stacks: two sandblast units located in the Spray Paint Department (the large Empire SB-1 steel grit unit and the small DeLong sand unit), and the Teflon Coating sandblast unit. Exhaust stack locations are illustrated on Figure 2.

All tests were performed by Mr. Scott Lehr (Certificate No. 257006) using U.S. Environmental Protection Agency (EPA) Method 9, according to the protocols presented in the EPA document entitled, *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume III - Stationary Source Specific Methods.* A copy of Mr. Lehr's Visible Emissions Evaluator Certificate is included as Attachment 1.

RESULTS

A description of the process equipment that was inspected and the inspection results and observations is presented in the following paragraphs.

Spray Paint Department

Room # 1

Room # 1 is a Large Empire Sandblast Room (SB-1) which utilizes a large Empire Abrasive Sandblaster, Model # 1310-10 equipped with a CP Environmental Model 84NFO42 pulse jet dust collector. The vent stack associated with this unit is located directly behind the sandblast room on the east side of the shop building at an approximately height of 4 feet above ground level.

Emissions from this vent stack were observed for a period of 60 minutes. No single reading during the 60 minute time period exceeded 0 percent. The Visible Emissions Observation Form for the Large Empire Sandblaster are included in Attachment 2.

Room # 2

Room # 2 is a Small DeLong Sandblast Room which utilizes a small Delong Sandblaster, Model SB-5 with a reverse pulse jet dust collector - Zero Air Cartridge Fabric Filter rated with a removal percentage of 99 percent. The vent stack associated with this unit is located directly behind the small sandblast room under the aluminum awning on the east side of the shop building approximately 3 feet above ground level.

Emissions from this vent stack were observed for a period of 60 minutes. The average opacity for the highest period was slightly above 2 percent. The number of readings above 5 percent was two. The opacity readings ranged from 0 percent to 10 percent. The only two readings that exceeded 5 percent (10 percent) occurred during the first twelve minutes of emissions observation. At that time a worker from the shop pounded on the side the filter fabric container with a rubber mallet which allowed the dust build-up on the filters to drop out into the collecting drum. That appeared to clear the fabric filters enough such that the individual readings never exceeded 5 percent for the remainder of the observation period. The Visible Emissions Observation Form and the Visible Emissions Summary Data Sheet for the Small DeLong Sandblaster are included in Attachment 2.

Teflon Coating Sandblast Operations

This sandblast unit is a SB2 Model equipped with a Dollinger Dust Collector - Dollinger Cartridge Fabric Filter rated with a removal percentage of 99 percent. The aggregate used for blasting work pieces is sand at a flow rate of 740 pounds per hour. The vent stack associated with the unit is located in the east side of the Dollinger Dust Collector approximately 10 feet above ground level. The Dollinger Dust Collector is located on the southeast corner of the Teflon Coating Building, which is across the parking lot and east of the shop building.

Emissions from this vent stack were observed for a period of 60 minutes. No single reading during the 60 minute time period exceeded 0 percent. The Visible Emissions Observation Form for the Teflon Coating Sandblaster is included in Attachment 2.

Spray Paint Booth Tests

Although not a part of the compliance effort for the spray paint booth emission points, additional visible emissions tests were performed on the two spray paint booth stacks. Each spray paint booth (Large Spray Paint Booth and Small Spray Paint Booth) has a separate emissions stack. Each stack is approximately 45 feet in height. Both stacks are attached to the east side of the shop building directly behind each of the spray paint booths.

Emissions from each of the spray paint booth vent stacks were observed for a period of 10 minutes. No single reading during each of the 10 minute periods exceeded 0 percent. The Visible Emissions Observation Forms for each of the spray paint booth vent stacks is included as Attachment 3.

Closing

The following figures and attachments are included herein to complete this report: Figure 1 - Site Locator Map; Figure 2 - Facility Plan; Attachment 1 - Visible Emissions Evaluator Certificate; Attachment 2 - Sandblast Units Visible Emissions Observation and Summary Data Forms; and Attachment 3 - Spray Paint Booth Visible Emissions Observation Forms. Please feel free to call us at (813) 249-5311 with any questions that may arise.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

Scott Lehr
Project Scientist

Ronald C. Pelle, P.G.
Project Manager

RCP/SAL

Attachments (2 figures, 3 attachments)

cc: Mr. Steve Turrentine, Flair Manufacturing
Mr. Michael Gelinas, Flair Manufacturing

ATTACHMENT 1

VISIBLE EMISSIONS EVALUATOR CERTIFICATE

VISIBLE EMISSIONS EVALUATOR

This is to certify that

Scott Lehr

met the specifications of Federal Reference Method 9 and qualified as a visible emissions evaluator. Maximum deviation on white and black smoke did not exceed 7.5% opacity and no single error exceeding 15% opacity was incurred during the certification test conducted by Eastern Technical Associates of Raleigh, North Carolina. This certificate is valid for six months from date of issue.

Thomas Hoare
President

257006
Certificate Number

Vice President

Tampa, Florida
Location

David B. Savage, Jr.
Program Manager

February 27, 1997
Date of Issue

LITHO-IN-1

ATTACHMENT 2

SANDBLAST UNITS VISIBLE EMISSIONS OBSERVATION AND SUMMARY DATA FORMS

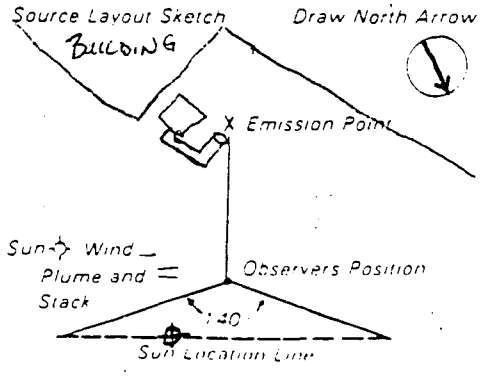
Visible Emission Observation Form

SOURCE NAME: PNEUMATIC PRODUCTS CORPORATION
ADDRESS: 447 S.W. 40th AVE.
MARION COUNTY 34474-5799
CITY: OCALA | STATE: FL | ZIP: USA
PHONE: (352) 237-1220 | SOURCE ID NUMBER:
PROCESS EQUIPMENT: LARGE EMPIRE BLASTER SB-1 | OPERATING MODE:
CONTROL EQUIPMENT: EMPIRE FABRIC FILTER | OPERATING MODE:
DESCRIBE EMISSION POINT: START EMPIRE DUST FILTERS BLUE OUTLET OF STOP
HEIGHT ABOVE GROUND LEVEL: START 4' STOP | HEIGHT RELATIVE TO OBSERVER: START 4' STOP
DISTANCE FROM OBSERVER: START 15 STOP | DIRECTION FROM OBSERVER: START 198° STOP
DESCRIBE EMISSIONS: START NOT VISIBLE STOP NOT VISIBLE
EMISSION COLOR: START NONE STOP | PLUME TYPE: CONTINUOUS ☒ FUGITIVE ☐ INTERMITTENT ☐
WATER DROPLETS PRESENT: NO ☒ YES ☐ | IF WATER DROPLET PLUME: ATTACHED ☐ DETACHED ☐
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED: START 6" FROM EMMISSIONS STOP SAME
DESCRIBE BACKGROUND: START Concrete Buildings STOP SAME
BACKGROUND COLOR: START Lt. Gray STOP SAME | SKY CONDITIONS: START Broken STOP Scattered
WIND SPEED: START 0-5 STOP SAME | WIND DIRECTION: START South STOP SAME
AMBIENT TEMP: START 90° STOP SAME | WET BULB TEMP: | RH, percent:

OBSERVATION DATE: 8/6/97 | START TIME: 11:10 | STOP TIME: 12:10

SEC / MIN	0	15	30	45	SEC / MIN	0	15	30	45
1	0	0	0	0	31	0	0	0	0
2	0	0	0	0	32	0	0	0	0
3	0	0	0	0	33	0	0	0	0
4	0	0	0	0	34	0	0	0	0
5	0	0	0	0	35	0	0	0	0
6	0	0	0	0	36	0	0	0	0
7	0	0	0	0	37	0	0	0	0
8	0	0	0	0	38	0	0	0	0
9	0	0	0	0	39	0	0	0	0
10	0	0	0	0	40	0	0	0	0
11	0	0	0	0	41	0	0	0	0
12	0	0	0	0	42	0	0	0	0
13	0	0	0	0	43	0	0	0	0
14	0	0	0	0	44	0	0	0	0
15	0	0	0	0	45	0	0	0	0
16	0	0	0	0	46	0	0	0	0
17	0	0	0	0	47	0	0	0	0
18	0	0	0	0	48	0	0	0	0
19	0	0	0	0	49	0	0	0	0
20	0	0	0	0	50	0	0	0	0
21	0	0	0	0	51	0	0	0	0
22	0	0	0	0	52	0	0	0	0
23	0	0	0	0	53	0	0	0	0
24	0	0	0	0	54	0	0	0	0
25	0	0	0	0	55	0	0	0	0
26	0	0	0	0	56	0	0	0	0
27	0	0	0	0	57	0	0	0	0
28	0	0	0	0	58	0	0	0	0
29	0	0	0	0	59	0	0	0	0
30	0	0	0	0	60	0	0	0	0

AVERAGE OPACITY FOR HIGHEST PERIOD: 0
NUMBER OF READINGS ABOVE 5 % WERE: 0
RANGE OF OPACITY READINGS: 0 MINIMUM 0 MAXIMUM



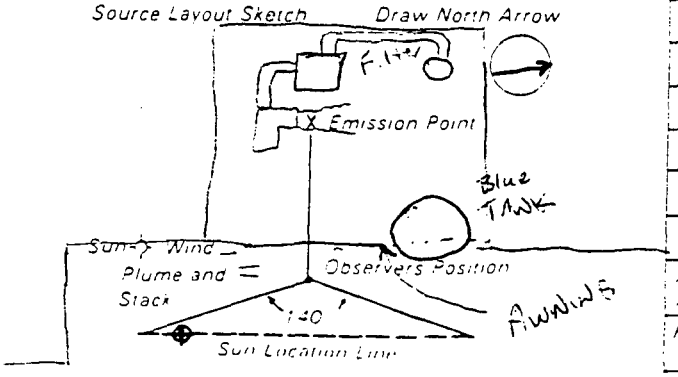
OBSERVER'S NAME (PRINT): SCOTT LEHR
COMMENTS:
OBSERVER'S SIGNATURE: [signature] DATE: 8/6/97
ORGANIZATION: DELTA ENVIRONMENTAL CONSULTANTS
I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS
SIGNATURE:
CERTIFIED BY: EASTERN TECHNICAL ASSOC. DATE: 2/28/97
TITLE: [signature] DATE: 8/20/97
VERIFIED BY: [signature] DATE: 8/28/97

Visible Emission Observation Form

SOURCE NAME: PNEUMATIC PRODUCTS CORPORATION	OBSERVATION DATE: 8/6/97
ADDRESS: 4647 S.W. 40th AVE,	START TIME: 13:48
MARION COUNTY 34474-5799	STOP TIME: 14:48
CITY: OCALA STATE: FL ZIP: USA	
PHONE: (352) 237-1220 SOURCE ID NUMBER:	
PROCESS EQUIPMENT: SMALL DELONG BLASTER SD-5 OPERATING MODE:	
CONTROL EQUIPMENT: DELONG FABRIC FILTER OPERATING MODE:	
DESCRIBE EMISSION POINT: OUTLET OF DELONG DUST START: COLLECTOR STOP:	
HEIGHT ABOVE GROUND LEVEL START: 3' STOP: 3' HEIGHT RELATIVE TO OBSERVER START: 3' STOP: 3'	
DISTANCE FROM OBSERVER START: 13' STOP: DIRECTION FROM OBSERVER START: 275° STOP:	
DESCRIBE EMISSIONS START: LACY 2-3' STOP:	
EMISSION COLOR START: Brown STOP: GRAY PLUME TYPE CONTINUOUS ☐ FUGITIVE ☐ INTERMITTENT ☒	
WATER DROPLETS PRESENT NO ☒ YES ☐ IF WATER DROPLET PLUME ATTACHED ☐ DETACHED ☐	
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED START: 1' from Emission STOP:	
DESCRIBE BACKGROUND START: White STOP: Block WALL PAINTED	
BACKGROUND COLOR START: White STOP: SKY CONDITIONS START: OVERCAST STOP:	
WIND SPEED START: 0-5 STOP: WIND DIRECTION START: SOUTH STOP:	
AMBIENT TEMP START: 90° STOP: WET BULB TEMP: RH,percent:	

SEC / MIN	0	15	30	45	SEC / MIN	0	15	30	45
1	0	0	0	0	31	0	5	0	0
2	0	0	5	0	32	0	5	0	0
3	0	0	5	0	33	0	0	0	0
4	0	0	0	0	34	5	5	0	0
5	0	10	0	0	35	5	0	0	0
6	0	0	0	0	36	5	0	0	0
7	0	5	5	0	37	0	0	0	0
8	0	0	0	0	38	0	5	0	0
9	0	5	0	0	39	0	5	0	0
10	0	0	0	0	40	0	0	0	0
11	5	0	0	0	41	5	5	0	0
12	10	0	0	0	42	5	0	0	0
13	0	0	0	5	43	5	0	0	0
14	5	0	0	5	44	5	0	0	5
15	0	0	0	0	45	0	0	0	5
16	0	0	0	0	46	5	0	0	5
17	5	0	0	5	47	0	0	0	5
18	5	0	0	5	48	0	0	0	5
19	0	0	0	5	49	0	0	5	5
20	0	0	0	5	50	0	0	5	0
21	0	0	0	5	51	0	0	5	0
22	0	0	0	0	52	0	0	5	0
23	0	0	5	0	53	0	0	5	0
24	0	0	5	0	54	0	5	5	0
25	0	0	5	0	55	0	5	5	0
26	0	0	5	0	56	0	5	0	0
27	0	0	5	0	57	0	5	0	0
28	0	5	0	0	58	0	5	0	0
29	0	5	0	0	59	5	5	0	0
30	0	5	0	0	60	5	5	0	0

Source Layout Sketch — Draw North Arrow



AVERAGE OPACITY FOR HIGHEST PERIOD: 2.08 %

NUMBER OF READINGS ABOVE 5 % WERE: 2

RANGE OF OPACITY READINGS: 0 MINIMUM 10 MAXIMUM

OBSERVER'S NAME (PRINT): SCOTT LEHR

OBSERVER'S SIGNATURE: [signature] DATE: 8/6/97

ORGANIZATION: DELTA ENVIRONMENTAL CONSULTANTS

CERTIFIED BY: EASTERN TECHNICAL ASSOC. DATE: 8/28/97

VERIFIED BY: [signature] DATE: 8/28/97

COMMENTS:

I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS

SIGNATURE: [signature] TITLE: DATE: 8/28/97

Visible Emission Summary Data Sheet

Company PNEUMATIC PRODUCTS CORP. Date 8/6/97 Location OCALA, FL

Start time 13:48 Emission point DELONG DUST COLLECTOR

Start no	Total opacity	Average opacity	Start no	Total opacity	Average opacity	Start no	Total opacity	Average opacity	Start no	Total opacity	Average opacity	Start no	Total opacity	Average opacity	Start no	Total opacity	Average opacity
1	20	0.83	37	30	1.25	73	25	1.04	109	25	1.04	145	25	1.04	181	40	1.67
2	20	0.83	38	30	1.25	74	25	1.04	110	30	1.25	146	30	1.25	182	35	1.46
3	25	1.04	39	30	1.25	75	25	1.04	111	30	1.25	147	30	1.25	183	35	1.46
4	30	1.25	40	30	1.25	76	30	1.25	112	30	1.25	148	30	1.25	184	40	1.67
5	30	1.25	41	30	1.25	77	25	1.04	113	30	1.25	149	30	1.25	185	35	1.46
6	30	1.25	42	30	1.25	78	25	1.04	114	35	1.46	150	35	1.46	186	35	1.46
7	30	1.25	43	30	1.25	79	25	1.04	115	30	1.25	151	30	1.25	187	35	1.46
8	25	1.04	44	30	1.25	80	30	1.25	116	30	1.25	152	30	1.25	188	40	1.67
9	25	1.04	45	35	1.46	81	25	1.04	117	30	1.25	153	35	1.46	189	35	1.46
10	25	1.04	46	30	1.25	82	25	1.04	118	35	1.46	154	35	1.46	190	35	1.46
11	30	1.25	47	30	1.25	83	25	1.04	119	30	1.25	155	30	1.25	191	40	1.67
12	25	1.04	48	30	1.25	84	30	1.25	120	30	1.25	156	30	1.25	192	45	1.88
13	25	1.04	49	35	1.46	85	25	1.04	121	30	1.25	157	35	1.46	193	40	1.67
14	25	1.04	50	35	1.46	86	25	1.04	122	30	1.25	158	40	1.67	194	40	1.67
15	25	1.04	51	35	1.46	87	30	1.25	123	25	1.04	159	40	1.67	195	45	1.88
16	25	1.04	52	35	1.46	88	30	1.25	124	25	1.04	160	40	1.67	196	45	1.88
17	25	1.04	53	35	1.46	89	30	1.25	125	25	1.04	161	45	1.88	197	40	1.67
18	30	1.25	54	30	1.25	90	30	1.25	126	25	1.04	162	40	1.67	198	40	1.67
19	20	0.83	55	30	1.25	91	35	1.46	127	25	1.04	163	35	1.46	199	45	1.88
20	20	0.83	56	30	1.25	92	30	1.25	128	25	1.04	164	35	1.46	200	40	1.67
21	20	0.83	57	30	1.25	93	30	1.25	129	25	1.04	165	40	1.67	201	40	1.67
22	30	1.25	58	30	1.25	94	30	1.25	130	25	1.04	166	35	1.46	202	40	1.67
23	30	1.25	59	30	1.25	95	35	1.46	131	30	1.25	167	35	1.46	203	45	1.88
24	30	1.25	60	30	1.25	96	30	1.25	132	30	1.25	168	35	1.46	204	40	1.67
25	30	1.25	61	35	1.46	97	30	1.25	133	30	1.25	169	40	1.67	205	40	1.67
26	30	1.25	62	35	1.46	98	30	1.25	134	25	1.04	170	35	1.46	206	40	1.67
27	25	1.04	63	35	1.46	99	35	1.46	135	20	0.83	171	35	1.46	207	45	1.88
28	20	0.83	64	35	1.46	100	30	1.25	136	20	0.83	172	40	1.67	208	40	1.67
29	25	1.04	65	35	1.46	101	30	1.25	137	20	0.83	173	45	1.88	209	40	1.67
30	30	1.25	66	30	1.25	102	30	1.25	138	20	0.83	174	40	1.67	210	45	1.88
31	30	1.25	67	30	1.25	103	35	1.46	139	25	1.04	175	40	1.67	211	50	2.08
32	30	1.25	68	35	1.46	104	30	1.25	140	25	1.04	176	45	1.88	212	45	1.88
33	35	1.46	69	30	1.25	105	30	1.25	141	25	1.04	177	40	1.67	213	45	1.88
34	35	1.46	70	25	1.04	106	30	1.25	142	25	1.04	178	40	1.67	214	50	2.08
35	30	1.25	71	25	1.04	107	30	1.25	143	25	1.04	179	40	1.67	215	50	2.08
36	30	1.25	72	30	1.25	108	25	1.04	144	25	1.04	180	45	1.88	216	45	1.88

Maximum average 2.08 % Start number of six minute average 211

Number of nonoverlapping averages in excess of standard _____ Listing start number of these averages _____

Calculated by _____ Date _____ Reviewed by _____ Date _____

Quality Assurance Handbook M9-5.1 and M9-6.2

Visible Emission Observation Form

SOURCE NAME: PNEUMATIC PRODUCTS CORPORATION	OBSERVATION DATE: 8/6/97
ADDRESS: 4647 S.W. 40 th AVE.	START TIME: 0940
MARION COUNTY 34474-5799	STOP TIME: 1040
CITY: OCALA / STATE: FL / ZIP: USA	
PHONE: (352) 237-1220 / SOURCE ID NUMBER:	
PROCESS EQUIPMENT: TEFLON COATING SANDBLASTER / OPERATING MODE:	
CONTROL EQUIPMENT: DOLLINGER DUST COLLECTOR / OPERATING MODE: 99%	
DESCRIBE EMISSION POINT: EAST SIDE OF DOLLINGER START: DUST COLLECTOR STOP:	
HEIGHT ABOVE GROUND LEVEL START: 10' STOP: / HEIGHT RELATIVE TO OBSERVER START: 7' STOP:	
DISTANCE FROM OBSERVER START: 20' STOP: / DIRECTION FROM OBSERVER START: 355' STOP: 355'	
DESCRIBE EMISSIONS START: NOT VISIBLE STOP:	
EMISSION COLOR START: NONE STOP: / PLUME TYPE CONTINUOUS ☒ FUGITIVE ☐ INTERMITTENT ☐	
WATER DROPLETS PRESENT NO ☒ YES ☐ / IF WATER DROPLET PLUME ATTACHED ☐ DETACHED ☐	
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED START: 6" from EMISSION STOP: SAME	
DESCRIBE BACKGROUND START: TREES/Clear Sky STOP: TREES / HAZY SKY	
BACKGROUND COLOR START: GRN STOP: / SKY CONDITIONS START: Clear STOP:	
WIND SPEED START: 0-5 STOP: SAME / WIND DIRECTION START: SW STOP: SAME	
AMBIENT TEMP START: 85° STOP: SAME / WET BULB TEMP: / RH percent:	

SEC / MIN	0	15	30	45	SEC / MIN	0	15	30	45
1	0	0	0	0	31	0	0	0	0
2	0	0	0	0	32	0	0	0	0
3	0	0	0	0	33	0	0	0	0
4	0	0	0	0	34	0	0	0	0
5	0	0	0	0	35	0	0	0	0
6	0	0	0	0	36	0	0	0	0
7	0	0	0	0	37	0	0	0	0
8	0	0	0	0	38	0	0	0	0
9	0	0	0	0	39	0	0	0	0
10	0	0	0	0	40	0	0	0	0
11	0	0	0	0	41	0	0	0	0
12	0	0	0	0	42	0	0	0	0
13	0	0	0	0	43	0	0	0	0
14	0	0	0	0	44	0	0	0	0
15	0	0	0	0	45	0	0	0	0
16	0	0	0	0	46	0	0	0	0
17	0	0	0	0	47	0	0	0	0
18	0	0	0	0	48	0	0	0	0
19	0	0	0	0	49	0	0	0	0
20	0	0	0	0	50	0	0	0	0
21	0	0	0	0	51	0	0	0	0
22	0	0	0	0	52	0	0	0	0
23	0	0	0	0	53	0	0	0	0
24	0	0	0	0	54	0	0	0	0
25	0	0	0	0	55	0	0	0	0
26	0	0	0	0	56	0	0	0	0
27	0	0	0	0	57	0	0	0	0
28	0	0	0	0	58	0	0	0	0
29	0	0	0	0	59	0	0	0	0
30	0	0	0	0	60	0	0	0	0

AVERAGE OPACITY FOR HIGHEST PERIOD: 0

NUMBER OF READINGS ABOVE 5 % WERE: 0

RANGE OF OPACITY READINGS: 0 MINIMUM 0 MAXIMUM

OBSERVER'S NAME (PRINT): SCOTT LEHR

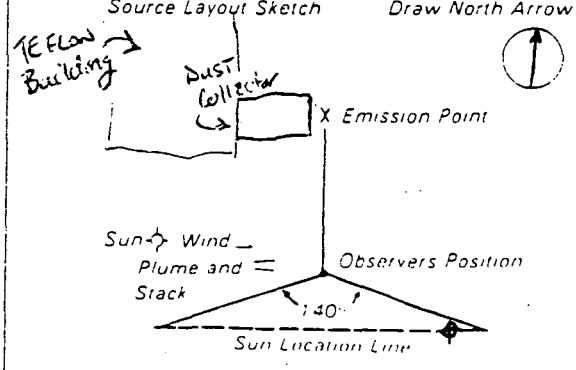
OBSERVER'S SIGNATURE: [signature] DATE: 8/6/97

ORGANIZATION: DELTA ENVIRONMENTAL CONSULTANTS

CERTIFIED BY: EASTERN TECHNICAL ASSOC. DATE: 2/28/97

VERIFIED BY: [signature] DATE: 3/28/97

Source Layout Sketch



Draw North Arrow

COMMENTS:

I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS

SIGNATURE: [signature] TITLE: DATE: 8/28/97

ATTACHMENT 3

SPRAY PAINT BOOTH VISIBLE EMISSIONS OBSERVATION FORMS

Visible Emission Observation Form

SOURCE NAME: PNEUMATIC PRODUCTS CORPORATION	OBSERVATION DATE: 8/6/97
ADDRESS: 4647 S.W. 40th AVE.	START TIME: 15:15
MARION COUNTY 34474-5799	STOP TIME: 15:25
CITY: OCALA STATE: FL ZIP: USA	
PHONE: (352) 237-6220 SOURCE ID NUMBER:	
PROCESS EQUIPMENT: LARGE SPRAY PAINT BOOTH OPERATING MODE:	
CONTROL EQUIPMENT: OPERATING MODE:	
DESCRIBE EMISSION POINT: NORTHERN MOST EXHAUST START STACK ON EAST SIDE OF BUILDING	
HEIGHT ABOVE GROUND LEVEL START 50' STOP HEIGHT RELATIVE TO OBSERVER START 40' STOP	
DISTANCE FROM OBSERVER START 150' STOP DIRECTION FROM OBSERVER START 273° STOP	
DESCRIBE EMISSIONS START NOT VISIBLE STOP SAME	
EMISSION COLOR START NONE STOP PLUME TYPE CONTINUOUS ☒ FUGITIVE ☐ INTERMITTENT ☐	
WATER DROPLETS PRESENT NO ☒ YES ☐ IF WATER DROPLET PLUME ATTACHED ☐ DETACHED ☐	
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED START 1' ABOVE EMISSIONS STOP SAME	
DESCRIBE BACKGROUND START CLEAR SKY STOP OVERCAST	
BACKGROUND COLOR START SKY BLUE STOP WHITE SKY CONDITIONS START Clear STOP OVERCAST	
WIND SPEED START 0-5 STOP SAME WIND DIRECTION START SOUTH STOP SAME	
AMBIENT TEMP START 85° STOP SAME WET BULB TEMP RH percent	

SEC / MIN	0	15	30	45	SEC / MIN	0	15	30	45
1	0	0	0	0	31				
2	0	0	0	0	32				
3	0	0	0	0	33				
4	0	0	0	0	34				
5	0	0	0	0	35				
6	0	0	0	0	36				
7	0	0	0	0	37				
8	0	0	0	0	38				
9	0	0	0	0	39				
10	0	0	0	0	40				
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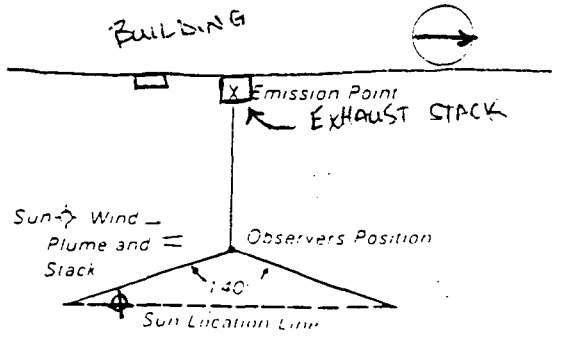
28					58				
29					59				
30					60				

Source Layout Sketch — Draw North Arrow



AVERAGE OPACITY FOR HIGHEST PERIOD: 0 — NUMBER OF READINGS ABOVE % WERE:

RANGE OF OPACITY READINGS: 0 MINIMUM 0 MAXIMUM

OBSERVER'S NAME (PRINT): SCOTT LEHR

COMMENTS

OBSERVER'S SIGNATURE: [signature] DATE: 8/6/97

ORGANIZATION: DELTA ENVIRONMENTAL CONSULTANTS

I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS SIGNATURE: [signature] TITLE: [signature] DATE: 5/28/97

CERTIFIED BY: EASTERN TECHNICAL ASSOC. DATE: 2/27/97

VERIFIED BY: [signature] DATE: 8/23/97

Section 3 [illegible] 10 6 A 1983

Visible Emission Observation Form

SOURCE NAME: PNEUMATICS PRODUCTS CORPORATION	OBSERVATION DATE: 8/6/97
ADDRESS: 4647 S.W. 40th AVE.	START TIME: 1535
MARION COUNTY 34474-5799	STOP TIME: 1545
CITY: OCALA STATE: FL ZIP: USA	
PHONE: (352) 237-1220 SOURCE ID NUMBER:	
PROCESS EQUIPMENT: SMALL SPRAY PAINT BOOTH OPERATING MODE:	
CONTROL EQUIPMENT: OPERATING MODE:	
DESCRIBE EMISSION POINT: SOUTHERN MOST STACK START: ATTACHED TO EAST OF SIDE OF BUILDING	
HEIGHT ABOVE GROUND LEVEL START: 50 STOP: HEIGHT RELATIVE TO OBSERVER START: 40' STOP:	
DISTANCE FROM OBSERVER START: 150' STOP: DIRECTION FROM OBSERVER START: 269° STOP:	
DESCRIBE EMISSIONS START: NOT VISIBLE STOP: SAME	
EMISSION COLOR START: NONE STOP: PLUME TYPE CONTINUOUS: X FUGITIVE: ☐ INTERMITTENT: ☐	
WATER DROPLETS PRESENT NO: X YES: ☐ IF WATER DROPLET PLUME ATTACHED: ☐ DETACHED: ☐	
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED START: 1' ABOVE STACK STOP: SAME	
DESCRIBE BACKGROUND START: BLUE SKY STOP: OVERCAST	
BACKGROUND COLOR START: BLUE STOP: SAME SKY CONDITIONS START: CLEAR STOP: OVERCAST	
WIND SPEED START: 0-5 STOP: SAME WIND DIRECTION START: SOUTH STOP: SAME	
AMBIENT TEMP START: 85° STOP: SAME WET BULB TEMP: RH percent:	

SEC / MIN	0	15	30	45	SEC / MIN	0	15	30	45
1	0	0	0	0	31				
2	0	0	0	0	32				
3	0	0	0	0	33				
4	0	0	0	0	34				
5	0	0	0	0	35				
6	0	0	0	0	36				
7	0	0	0	0	37				
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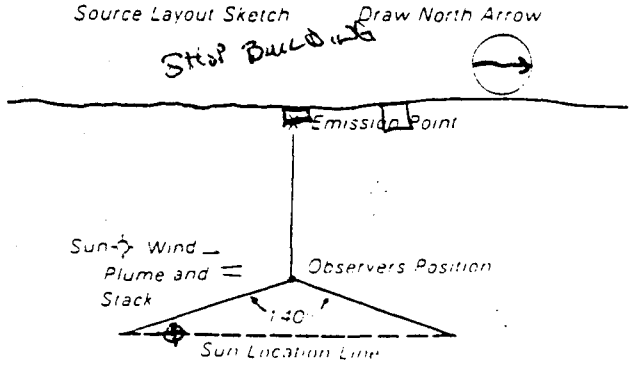
Source Layout Sketch — Draw North Arrow



AVERAGE OPACITY FOR HIGHEST PERIOD: 0	NUMBER OF READINGS ABOVE % WERE
RANGE OF OPACITY READINGS: 0 MINIMUM 0 MAXIMUM	
OBSERVER'S NAME (PRINT): SCOTT LEHR	
COMMENTS	OBSERVER'S SIGNATURE: [signature] DATE: 8/6/97
	ORGANIZATION: DELTA ENVIRONMENTAL CONSULTANTS
I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS SIGNATURE: [signature]	CERTIFIED BY: EASTERN TECHNICAL ASSOC. DATE: 8/28/97
TITLE: DATE: 8/28/97	VERIFIED BY: [signature] DATE: 8/28/97