MARK III INDUSTRIES
Ocala, Florida

TITLE V AIR OPERATING PERMIT APPLICATION
for
MARK III INDUSTRIES

Prepared by:

Rust Environment & Infrastructure
North Florida Division

June 1996

Mark III Idustries
Title V Application
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SECTION A

PERMIT APPLICATION FORM

DEPARTMENT of Environmental Protection

DIVISION OF AIR RESOURCES MANAGEMENT
APPLICATION FOR AIR PERMIT - LONG FORM

See Instructions for Form No. 62-210.900(1)

I. APPLICATION INFORMATION

This section of the Application for Air Permit form provides general information on the scope and purpose of this application. This section also includes information on the owner or authorized representative of the facility (or the responsible official in the case of a Title V source) and the necessary statements for the applicant and professional engineer, where required, to sign and date for formal submittal of the Application for Air Permit to the Department. If the application form is submitted to the Department on diskette, this section of the Application for Air Permit must also be submitted in hard-copy.

Identification of Facility Addressed in This Application

Enter the name of the corporation, business, governmental entity, or individual that has ownership or control of the facility; the facility name, if any; and the facility's physical location. If known, also enter the facility identification number.

1. Facility Owner or Operator (limit to 40 characters): **Mark III Industries.**	
2. Facility Name (limit to 40 characters): **Mark III Industries.**	
3. Facility Identification Number:	[X] Unknown
4. Facility Location Information: Facility Street Address: **5401 N.W. 44th Avenue** City: **Ocala** County: **Marion** Zip Code: **34482**	
5. Relocatable Facility? [ ] Yes [X] No	6. Is this an existing permitted facility? [X] Yes [ ] No

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	
2. Permit Number:	
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

Owner/Authorized Representative or Responsible Official

1. Name and Title of Representative or Responsible Official:
   Larry W. Lincoln
   Chief Executive Officer

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

   Organization/Firm: **Mark III Industries**
   City: **Ocala** County: **Marion** Zip Code: **34482**

3. Owner/Authorized Representative or Responsible Official Telephone Numbers:
   Telephone: **(352)732-5878** Fax: **(352)351-1017**

4. Owner/Authorized Representative or Responsible Official Statement:

   I, the undersigned, am the owner or authorized representative of the facility (non-Title V source) addressed in this Application for Air Permit or the responsible official, as defined in Chapter 62-213, 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 unit.*

Signature 6-10-96
Date

* Attach letter of authorization if not currently on file.

Scope of Application

This Application for Air Permit addresses the following emissions unit(s) at the facility (or Title V source). An Emissions Unit Information Section (a Section III of the form) must be included for each emissions unit listed.

Emissions Unit ID	Description of Emissions Unit	Permit Type
01	**Cabinet Shop and Woodchipper Operation**	
005 ~~02~~	**Cabinet Shop Finish Room and Paint Spray Booth (PSB) operations, including 21 spray booths, a small paint spray booth for "piecework" or service work and an existing side draft heated paint booth (without oven) located in several buildings through out the facility as shown in the facility plot plan.**	
004 ~~03~~	**Design Center for the building of prototypes and samples of conversion van components. Particulate matter emissions are generated by the use of small mechanical equipment (saws, sanders, grinders, etc.)used to cut and shape various raw materials (wood, wood-derived and plastic).**	

Purpose of Applicatic ıd Category
Check one (except as otherwise indicated):

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

This Application for Air Permit is submitted to obtain:

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

[**X**] Initial air operation permit under Chapter 62-213, FAC., 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 numbers: **AC42-222353 and AC42-236031**

[ ] Air operation permit renewal under Chapter 62-213, FAC., 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. Also check Category III.

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. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal

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), FAC.

This Application for Air Permit is submitted to obtain:

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

Current operation/construction permit number(s):_____

[ ] Renewal air operation permit under Rule 62-210.300(2)(b), FAC., for a synthetic non-Title V source.

Operation permit to be renewed:_____

[ ] Air operation permit revision for a synthetic non-Title V source. Give reason for revision; e.g., to address one or more newly constructed or modified emissions units.

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 Processin[illegible]e

Check one:

[ ] Attached - Amount: _____ [X] Not Applicable.

Construction/Modification Information **Not Applicable**

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: **Suresh Chandnani, P.E., CHMM** Registration Number: **0048816**
2. Professional Engineer Mailing Address: Organization/Firm: **Rust Environment & Infrastructure** Street Address: **370 S. North Lake Blvd., Suite No. 1028** City: **Altamonte Springs** State: **FL** Zip Code: **32701**
3. Professional Engineer Telephone Numbers: Telephone: **(407)331-5967** Fax: **(407)331-0025**

4. Professional Engineer Statement:

I, the undersigned, hereby certify, 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 pollution 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 [X] 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 permit 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 unit 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.

Signature

6/10/96.
Date

(seal)

* Attach any exception to certification statement

SURETY CERTIFICATE No. 0048816 STATE OF FLORIDA REGISTERED ENGINEER

Application Contact

1. Name and Title of Application Contact:

David Gaboardi - Environmental Manager

2. Application Contact Mailing Address:

Organization/Firm: **Mark III Industries**
Street Address: **5401 N.W. 44th Avenue**
City: **Ocala** State: **Florida** Zip Code: **34482-7800**

3. Application Contact Telephone Numbers:
Telephone: **(352)732 -5878** Fax: **(352)351-1017**

Application Comment

This application is for the entire facility. Air emissions from all activities at this facility are intended to be covered in the Title V permit application.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location, and Type

Facility UTM Coordinates: Zone: **17** East (km):**377.81** North (km):**3228.77**			
2. Facility Latitude/Longitude: Latitude (DD/MM/SS): **29/10/59.86** Longitude (DD/MM/SS): **82/15/23.99**			
3. Governmental Facility Code: **0**	4. Facility Status Code: **A**	5. Facility Major Group SIC Code: **37**	6. Facility SIC(s): **3771, 3713, 3711**
7. Facility Comment (limit to 500 characters):			

1. Name and Title of Application Contact: **David Gaboardi - Environmental Manager**
2. Application Contact Mailing Address: Organization/Firm: **Mark III Industries** Street Address: **5401 N.W. 44th Avenue** City: **Ocala** State: **Florida** Zip Code: **34482-7800**
3. Application Contact Telephone Numbers: Telephone: **(352)732 -5878** Fax: **(352)351-1017**

Facility Regulato_ _Classifications

1. Small Business Stationary Source? [ ] Yes [X] No
2. Title V Source? [X] Yes [ ] No
3. Synthetic Non-Title V Source? [ ] Yes [X] No
4. Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)? [X] Yes [ ] No
5. Synthetic Minor Source of Pollutants Other than HAPs? [ ] Yes [X] No
6. Major Source of Hazardous Air Pollutants (HAPs)? [X] Yes [ ] No
7. Synthetic Minor Source of HAPs? [ ] Yes [X] No
8. One or More Emissions Units Subject to NSPS? [ ] Yes [X] No
9. One or More Emission Units Subject to NESHAP? [ ] Yes [X] No
10. Title V Source by EPA Designation? [ ] Yes [X] No
11. Facility Regulatory Classifications Comment **This facility is a Title V source because VOC emissions are greater than 100 tons per year, and the facility-wide HAP emissions are greater than 25 tons per year.**

B. FACILITY REGULATIO

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

Not Applicable

List of Applicable Regulations (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

Title V Core list applies in its entirety with the following exceptions:	
40 CFR 61	**National Emission Standards for Hazardous Air Pollutants (NESHAPs).**
40 CFR 61, Subpart M	**National Emission Standards for Asbestos.**
62-256, F.A.C.	**Open Burning and Frost Protection Fires.**
62-257, F.A.C.	**Asbestos Notification and Fee.**

C. FACILITY POLLUTANT

Facility Pollutant Information

1. Pollutant Emitted	2. Pollutant Classification
VOC	**A**
HAP	**A**
PM	**B**

D. FACILITY POLLUTANT DETAIL INFORMATION

Not Applicable

Facility Pollutant Detail Information: Pollutant ___ of ____

1. Pollutant Emitted:		
2. Requested Emissions Cap:	(lb/hour)	(tons/year)
3. Basis for Emissions Cap Code:		
4. Facility Pollutant Comment (limit to 400 characters):		

Facility Pollutant Detail Information: Pollutant _____ of _____

1. Pollutant Emitted:		
2. Requested Emissions Cap:	(lb/hour)	(tons/year)
3. Basis for Emissions Cap Code:		
4. Facility Pollutant Comment (limit to 400 characters):		

I. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements for All Applications

1. Area Map Showing Facility Location: [X] Attached, Document ID: 1 [ ] Not Applicable [ ] 1 Waiver Requested
2. Facility Plot Plan: [X] Attached, Document ID: 2 [ ] Not Applicable [ ] Waiver Requested
3. Process Flow Diagram(s): [ ] Attached, Document ID: 3 [ ] Not Applicable [ ] Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: [X] Attached, Document ID: 4 [ ] Not Applicable [ ] Waiver Requested
5. Fugitive Emissions Identification: [X] Attached, Document ID: 5 [ ] Not Applicable [ ] Waiver Requested
6. Supplemental Information for Construction Permit Application: [ ] Attached, Document ID: _____ [X] Not Applicable

Additional Supplemental Requirements for Category I Applications Only

7. List of Proposed Exempt Activities: [X] Attached, Document ID: 6 [ ] Not Applicable
8. List of Equipment/Activities Regulated under Title VI: [X] Attached, Document ID: 7 [ ] Equipment/Activities Onsite but Not Required to be Individually Listed [ ] Not Applicable
9. Alternative Methods of Operation: [X] Attached, Document ID: 8 [ ] Not Applicable

10. Alternative Modes of Operation (Emissions Trading):
[ ] Attached, Document ID: _____ [X] Not Applicable

11. Compliance Assurance Monitoring Plan:
[ ] Attached, Document ID: _____ [X] Not Applicable

12. Risk Management Plan Verification:

[ ] Plan Submitted to Implementing Agency - Verification Attached, Document ID: _____

[X] Plan to be Submitted to Implementing Agency by Required Date

[ ] Not Applicable

13. Compliance Report and Plan
[X] Attached, Document ID: 9 [ ] Not Applicable

14. Compliance Statement (Hard-copy Required)
[X] Attached, Document ID: 10 [ ] Not Applicable

III. EMISSIONS UNIT INFORMATION - 01

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

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

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.

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

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): **Cabinet Shop and Wood Chipper Operations**		
2. Emissions Unit Identification Number: [ ] No Corresponding ID [ ] Unknown **01**		
3. Emissions Unit Status Code: **A**	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: **3711**
6. Emissions Unit Comment (limit to 500 characters): **The cabinet shop conducts various woodworking operations such as sawing, planing and sanding. Waste wood from these processes are fed by conveyor to a wood chipper. Particulate matter emissions from the shop equipment and from the wood chipper are captured in a combination cyclone/baghouse before being vented to the atmosphere. The collected sawdust and wood chips are taken off site for miscellaneous uses.**		

Emissions Unit Control Equipment

A.

1. Description (limit to 200 characters): **Pneumafill Dust Collector, Model No. 135-448012 - Cyclone/Baghouse**
2. Control Device or Method Code: **075, 018**

B.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

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

Emissions Unit Details

1. Initial Startup Date: **NA**	
2. Long-term Reserve Shutdown Date: **NA**	
3. Package Unit: **Woodchipper** Manufacturer: **Montgomery**	Model Number: **NA**
4. Generator Nameplate Rating: **NA** MW	
5. Incinerator Information: **NA** Dwell Temperature: Dwell Time: Incinerator Afterburner Temperature :	 °F seconds °F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: **NA**		mmBtu/hr
2. Maximum Incineration Rate: **NA**	lb/hr	tons/day
3. Maximum Process or Throughput Rate: **a. Input rate to the woodchipper = 2954 lb/hr or 1136 bf/hr.** **b. Input rate to the Cabinet Shop = 8189 lb/hr or 3149 bf/hr.**		
4. Maximum Production Rate:		
5. Operating Capacity Comment (limit to 200 characters):		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:			
24	hours/day	**7**	days/week
52	weeks/year	**8760**	hours/year

D. EMISSIONS UNIT REGULATIONS.
(Regulated Emissions Units Only)

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

List of Applicable Regulations (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

62-210.400, F.A.C.	**Emission Estimates.**
62-210.650, F.A.C.	**Circumvention**
62-296.310, F.A.C.	**General Particulate Emission Limiting Standards.**
62-296.310(2), F.A.C.	**General Visible Emission Standards.**
62-296.310(3), F.A.C.	**Unconfined Emissions of Particulate Matter.**
62-296.320(2), F.A.C.	**Objectionable Odors**
62-297.310, F.A.C.	**General Test Requirements**
62-297.330, F.A.C.	**Applicable Test Procedures**
62-297.340, F.A.C.	**Frequency of Compliance Tests**
62-297.345, F.A.C.	**Stack Sampling Facilities provided by the Owner of an Emission Unit.**
62-297.570, F.A.C.	**Test Reports**
62-297.620, F.A.C.	**Exceptions and Approvals of Alternate Procedures and Requirements.**

E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: PDC = Pneumafill Dust Collector			
2. Emission Point Type Code: [X] 1 [ ] 2 [ ] 3 [ ] 4			
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Baghouse stack.			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:			
5. Discharge Type Code: [ ] D [ ] F [ ] H [ ] P [ ] R [X] V [ ] W			
6. Stack Height:		20	feet
7. Exit Diameter:		4.25	feet
8. Exit Temperature:		Ambient	°F
9. Actual Volumetric Flow Rate:		61,616.5	acfm
10.Percent Water Vapor :		1.6	%
11.Maximum Dry Standard Flow Rate:		58,235.8	dscfm
12. Nonstack Emission Point Height:	NA		feet
13.Emission Point UTM Coordinates: Zone: 17	East (km): 377.81	North (km): 3228.77	
14.Emission Point Comment (limit to 200 characters):			

SEGMENT (PROCESS/FUEL) INFORMATION
(Regulated and Unregulated Emissions Units)

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): Miscellaneous Wood Products	
2. Source Classification Code (SCC): 30703098	
3. SCC Units: 1000 Board Feet	
4. Maximum Hourly Rate: 3.149 - Cabinet Shop 1.136 - Woodchipper	5. Maximum Annual Rate: 27,585.2 - Cabinet Shop 9,951.4 - Woodchipper
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NS	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment (limit to 200 characters):	

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM	018	075	EL

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

Pollutant Detail Information:

1. Pollutant Emitted:	**P.M.**
2. Total Percent Efficiency of Control:	**99.92** %
3. Potential Emissions:	**6.4** lb/hour **27.4** tons/year
4. Synthetically Limited? [ ] Yes [**X**] No	
5. Range of Estimated Fugitive/Other Emissions: [**X**] 1 [ ] 2 [ ] 3	_____ to _____ tons/year
6. Emission Factor: Reference:	
7. Emissions Method Code: [**X**] 0 [ ] 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5	
8. Calculation of Emissions (limit to 600 characters): **See original construction permit application.**	
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters): **PM emission calculations for this emission unit were submitted with original air construction permit application.**	

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: RULE
2. Future Effective Date of Allowable Emissions: NA
3. Requested Allowable Emissions and Units: NA
4. Equivalent Allowable Emissions: 6. 4 lb/hour 27.4 tons/year
5. Method of Compliance (limit to 60 characters): EPA Method 9 / EPA Method 5.
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters): Emission limit specified by rule 62-296.310, FAC. EPA Method 9 can be used to demonstrate compliance with emission limits. in lieu of EPA Method 5. If visible emissions higher than 5% opacity, EPA method 5 must be used to determine compliance with 62-296.310, F.A.C.

B.

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions: lb/hr tons/year
5. Method of Compliance (limit to 60 characters):
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Visible Emissions Limitation: Visible Emissions Limitation ___1___ of __1____

1. Visible Emissions Subtype: VE05
2. Basis for Allowable Opacity: [ ] Rule [X] Other
3. Requested Allowable Opacity: Normal Conditions: 5 % Exceptional Conditions: 5 % Maximum Period of Excess Opacity Allowed: min/hour
4. Method of Compliance: FDEP Method 9 on baghouse stack
5. Visible Emissions Comment (limit to 200 characters): VE opacity limit of 5% in lieu of EPA Method 5. If opacity > 5% , EPA Method 5 must be performed to determine compliance.

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype:
2. Basis for Allowable Opacity: [ ] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour
4. Method of Compliance:
5. Visible Emissions Comment (limit to 200 characters):

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)
Not Applicable

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement: [ ] Rule [ ] Other	
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters):	

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement: [ ] Rule [ ] Other	
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters):	

K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION
(Regulated and Unregulated Emissions Units)

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

[ ] 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 © 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?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

[ ] 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 © 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 emissions 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, the baseline emissions of the emissions unit are nonzero. In such a 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	[ ] C	[ ] E	[X] Unknown
SO2	[ ] C	[ ] E	[X] Unknown
NO2	[ ] C	[ ] E	[X] Unknown

4. Baseline Emissions:		
PM	lb/hour	tons/year
SO2	lb/hour	tons/year
NO2		tons/year

5. PSD Comment (limit to 200 characters):

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
(Regulated Emissions Units Only)

Supplemental Requirements for All Applications

1. Process Flow Diagram **[X] Attached, Document ID: 3 [ ] Not Applicable [ ] Waiver Requested**
2. Fuel Analysis or Specification **[ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested**
3. Detailed Description of Control Equipment **[X] Attached, Document ID: 11a [ ] Not Applicable** **[ ] Waiver Requested**
4. Description of Stack Sampling Facilities **[X] Attached, Document ID: 12 [ ] Not Applicable** **[ ] Waiver Requested**
5. Compliance Test Report **[ ] Attached, Document ID:_____** **[X] Previously submitted, Date: February 23, 1996 [ ] Not Applicable**
6. Procedures for Startup and Shutdown **[ ] Attached, Document ID:_____ [X] Not Applicable**
7. Operation and Maintenance Plan **[ ] Attached, Document ID:_____ [X] Not Applicable**
8. Supplemental Information for Construction Permit Application **[ ] Attached, Document ID:_____ [X] Not Applicable**
9. Other Information Required by Rule or Statute **[ ] Attached, Document ID:_____ [X] Not Applicable**

Additional Supplem ıl Requirements for Category I App. .tions Only

10. Alternative Methods of Operation [ ] Attached, Document ID:__ _____ [X] Not Applicable
11. Alternative Modes of Operation (Emissions Trading) [ ] Attached, Document ID:_____ [X] Not Applicable
12. Compliance Assurance Monitoring Plan [ ] Attached, Document ID:_____ [X] Not Applicable
13. Identification of Additional Applicable Requirements [ ] Attached, Document ID:_____ [X] Not Applicable
14. Acid Rain Application (Hard-copy Required) [ ] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID:_____ [ ] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID:_____ [ ] New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID:_____ [ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID:_____ [X] Not Applicable

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

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

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.

GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Spray Booths Operations in various buildings.		
2. Emissions Unit Identification Number: [ ] No Corresponding ID [ ] Unknown 02 and 03		
3. Emissions Unit Status Code: A	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: 3711
6. Emissions Unit Comment (limit to 500 characters): This grouped emission unit consists of three coating spray booths, a separate small paint spray booth for "piecework" or service work, located in the Cabinet Shop Finish Room and eighteen Paint Spray Booths (PSBs) located in several buildings through out the facility and an existing side draft heated paint booth (without oven) located on the southwest corner of building that houses the Pick-Up truck assembly area and the Sport Top paint booths. All the spray booths described above are utilized in coating various parts required for the conversion van/truck assembly line.		

Emissions Unit Control Equipment

A.

1. Description (limit to 200 characters): Overspray collectors with filters
2. Control Device or Method Code: 058

B.

1. Description (limit to 200 characters): Quarterly material balance report - Recordkeeping /Reporting
2. Control Device or Method Code: 099

EMISSIONS UNIT DETAIL INFO MATION
(Regulated Emissions Units Only)

Emissions Unit Details

1. **Initial Startup Date: NA**
2. **Long-term Reserve Shutdown Date: NA**
3. **Type I** **Package Unit: Coating Spray Booths and UV Curing Ovens** **Manufacturer: Mid State Industrial** **Model Number: MSI-1001** **Type II** **Package Unit : Spray Paint Booth** **Manufacturer: 10 -DeVilbiss** **Model Number: Concept Downdraft.** **1- DeVilbiss** **Combination.** **8- Binks** **Down Under**
4. Generator Nameplate Rating: **NA** MW
5. Incinerator Information: **NA** Dwell Temperature: °F Dwell Time: seconds Incinerator Afterburner Temperature : °F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: **Type II** **Spray Paint Booths:** **(3) Pick up Truck/(4)Sport Top Area = 0.875 mmBtu/hr** **(3) Body Shop = 0.970 mmBtu/hr** **(8) Running Boards = 1.1 mmBtu/hr** **(1) Side draft paint booth = 1.17 mmBtu/hr** **Ovens:** **(10) Convection = 1.17 mmBtu/hr** **(8) Infrared = 0.023 mmBtu/hr**
2. Maximum Incineration Rate: **NA** lb/hr tons/day
3. Maximum Process or Throughput Rate: **NA**

4. Maximum Product. Rate: **Approximately 75,000 Vans a. Pick Up Trucks per year.**
5. Operating Capacity Comment (limit to 200 characters): **As VOC emissions are a function of coating composition and not directly related to process rate or throughput rate, Mark III requests that no process limitations be imposed on this emission unit. Emission unit will continue to be controlled by emission limitations on VOC as demonstrated on quarterly, material balance-based, inventories.**

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:			
	24 hours/day	7 days/week	
	52 weeks/year	**8760** hours/year	

D. EMISSIONS UNIT REGULA')NS.
(Regulated Emissions Units Only)
Not Applicable

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

List of Applicable Regulations (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

17-210.370(2), F.A.C	**Reports**
17-210.650, F.A.C.	**Circumvention**
17-210.700, F.A.C.	**Excess Emissions**
17-210.900(4), F.A.C.	**Annual Operating Report for Air Pollutant emitting Facility**
62-296.310(2), F.A.C.	**General Visible Emission Standards.**
62-296.320(1)a, F.A.C.	**Volatile Organic Compound Emissions or Organic Solvents Emissions**
62-296.320(2), F.A.C.	**Objectionable Odors**
62-297.340, F.A.C.	**Frequency of Compliance Tests**
62-297.345, F.A.C.	**Stack Sampling Facilities provided by the Owner of an Emission Unit.**
62-297.570, F.A.C.	**Test Reports**
62-297.620, F.A.C.	**Exceptions and Approvals of Alternate Procedures and Requirements.**

E. ISSION POINT (STACK/VENT) I ORMATION
(Regulated Emissions Units Only)

Emission Point Description and Type Cabinet Shop Finish Room

1. Identification of Point on Plot Plan or Flow Diagram: Forty seven emission points (EP01 thru EP47) for various spray booths.
2. Emission Point Type Code: [ ] 1 [ ] 2 [X] 3 [ ] 4
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Ten separate stacks located on the roof of the Cabinet Reactor Room. Thirty seven separate stacks located on the roofs of the following buildings: 1. Pick Up Truck Area - 3 for PSBs , 3 for conv. ovens and 1 for the side draft booth 2. Sport Top Area - 4 for PSBs and 4 for conv. ovens. 3. Body Shop - 3 for PSBs and 3 for conv. ovens. 4. Running Board Area - 8 for PSBs and 8 for infrared (IR) ovens.
4.ID Numbers or Descriptions of Emission Units with this Emission Point in Common:
5. Discharge Type Code: [ ] D [ ] F [ ] H [ ] P [ ] R [ ] V [X] W
6. Stack Height: Type I = 24 feet Type II = 36 feet
7. Exit Diameter: Type I = 2.5 feet Type II = 2.83 feet
8. Exit Temperature: Type I & II = Ambient °F
9. Actual Volumetric Flow Rate: Type I = 1600 acfm Type II = 10,000-12,000 acfm
10.Percent Water Vapor : Type I & II = 2-3 %
11.Maximum Dry Standard Flow Rate: Type I = 1560 dscfm Type II = 9,360-11,232 dscfm 1560 dscfm
12. Nonstack Emission Point Height: NA feet

13.Emission Point UTM Coordinates:		
Zone: 17	East (km): 384.2	North (km): 3235.4

14.Emission Point Comment (limit to 200 characters):
Stack characteristics are provided for a representative Paint Booth Stack

F. SEGMENT (PROCESS/FUEL) INFORMATION
(Regulated and Unregulated Emissions Units)

Segment Description and Rate: Segment 1 of 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): **Organic Solvent in Surface Coating - Type I Spray Booths**	
2. Source Classification Code (SCC): **40202133**	
3. SCC Units: Tons of Solvent in Coating	
4. Maximum Hourly Rate: NA	**5. Maximum Annual Rate: NA**
6. Estimated Annual Activity Factor: Approximately 125 tons per year of organic materials in the paints, coatings, sealers and other solvents used.	
7. Maximum Percent Sulfur: NA	**8.Maximum Percent Ash: NA**
9. Million Btu per SCC Unit: NA	
10. Segment Comment (limit to 200 characters): **As VOC emissions are a function of coating composition and not directly related to process rate or throughput rate, Mark III requests that no process rate limitations be imposed on this emission unit. Emission unit will continue to be controlled by emission limitations on VOC as demonstrated by quarterly material balance-based inventories.**	

Segment Description and Rate: Segment 2 of 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): **Organic Solvent in Surface Coating - Type II Spray Booths**	
2. Source Classification Code (SCC): **40201606**	
3. SCC Units: **Tons of Solvent in Coating**	
4. Maximum Hourly Rate: **NA**	**5. Maximum Annual Rate:** **NA**
6. Estimated Annual Activity Factor:	**Approximately 124 tons per year of organic materials in the paints, coatings, sealers and other solvents used.**
7. Maximum Percent Sulfur: NA	**8. Maximum Percent Ash: NA**
9. Million Btu per SCC Unit: NA	
10. Segment Comment (limit to 200 characters): **As VOC emissions are a function of coating composition and not directly related to process rate or throughput rate, Mark III requests that no process rate limitations be imposed on this emission unit. Emission unit will continue to be controlled by emission limitations on VOC as demonstrated by quarterly material balance-based inventories.**	

Se ent Description and Rate: Segment 2 of 3

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): Liquid Petroleum Gas (LPG)	
2. Source Classification Code (SCC): 40201004	
3. SCC Units: 1000 gallons Burned	
4. Maximum Hourly Rate: 0.341	5. Maximum Annual Rate: 2989.9
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: 90.5	
10. Segment Comment (limit to 200 characters):	

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

1.Pollutant Emitted	2.Primary Control Device Code	3.SecondaryControl Device Code	4.Pollutant Regulatory Code
VOC	058	099	EL
HAP	058	099	NS
NOx			NS
CO			NS

H. EM SIONS UNIT POLLUTANT DETA NFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Pollutant Detail Information:

1.Pollutant Emitted: VOC
2.Total Percent Efficiency of Control: 97. 5-99.5 %
3.Potential Emissions: 56.85 lb/hour 249.0 tons/year
4.Synthetically Limited? **[X] Yes [ ] No**
5.Range of Estimated Fugitive/Other Emissions: **[ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year**
6.Emission Factor: **Reference:**
7.Emissions Method Code: **[X]0 [ ]1 [ ] 2 [ ] 3 [ ] 4 [ ] 5**
8. Calculation of Emissions (limit to 600 characters): **See original construction permit application.**
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters): **The maximum potential emissions from this emission unit is equal to the combined allowable emissions of 249 tons per year as per permit AC42-236031 and AC42-222353. VOC emission calculations for these emission units were submitted with original air construction permit applications.**

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: ESCPSD
2. Future Effective Date of Allowable Emissions: NA
3. Requested Allowable Emissions and Units: 249 tpy VOC
4. Equivalent Allowable Emissions: 56.85 lb/hour 249.0 tons/year
5. Method of Compliance (limit to 60 characters): Quarterly Operations Reports based on material balance Note: Existing VE limit of 20 percent opacity needs to be deleted. Construction permit modification request submitted to FDEP in June 1996.
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters): The allowable emission limit of 249.0 tpy will not be exceeded regardless of the specific solvents, paints, thinners and coating materials used.

B.

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions: lb/hr tons/year
5. Method of Compliance (limit to 60 characters):
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

I. VISIBLE EMISSIC INFORMATION
(Regulated Emissions Units Only)

Visible Emissions Limitation: Visible Emissions Limitation __1__ of __1__

1. Visible Emissions Subtype: VE20
2. Basis for Allowable Opacity: [X] Rule [X] Other
3. Requested Allowable Opacity: Normal Conditions: 20(*)% Exceptional Conditions: 20(*)% Maximum Period of Excess Opacity Allowed: min/hour
4. Method of Compliance: EPA Method 9 (*)
5. Visible Emissions Comment (limit to 200 characters): Visible emission limit specified in permit AC42-236031, specific condition No.5 and in permit AC42-222353, specific condition No. 3. Both pursuant to Rule 17-296.310(2), FAC. (*)Mark III is currently in the process of modifying both the above mentioned construction permits to lower the specific visible emission limitation from 20 percent opacity to 5 percent opacity. The permit modifications also aim to delete the initial and annual VE compliance testing requirements in favor of recommending VE testing be conducted only when a problem with bank filters performance is suspected by Mark III personnel or it is specifically requested by FDEP.

J. CONTINUOUS M ITOR INFORMATION

(Regulated Emissions Units Only)

Not Applicable

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement: [ ] Rule [ ] Other	
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters):	

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement: [ ] Rule [ ] Other	
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters):	

K. PREVENTION O. IGNIFICANT DETERIORATION (D) INCREMENT TRACKING INFORMATION

(Regulated and Unregulated Emissions Units)

PSD Increment Consumption Determination

1. **Increment Consuming for Particulate Matter or Sulfur Dioxide?**

   If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

   [ ] 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 © of the definition of "major source of air pollution" in Chapter 62-213, FAC., 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 Consun...g for Nitrogen Dioxide?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

[ ] 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 © of the definition of "major source of air pollution" in Chapter 62-213, FAC., 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 emissions 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, the baseline emissions of the emissions unit are nonzero. In such a 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	[ ] C	[ ] E	[X] Unknown
SO2	[ ] C	[ ] E	[X] Unknown
NO2	[ ] C	[ ] E	[X] Unknown
4. Baseline Emissions:			
PM		lb/hour	tons/year
SO2		lb/hour	tons/year
NO2			tons/year
5. PSD Comment (limit to 200 characters):			

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
(Regulated Emissions Units Only)

Supplemental Requirements for All Applications

1. **Process Flow Diagram** **[X] Attached, Document ID: 3 [ ] Not Applicable [ ] Waiver Requested**
2. **Fuel Analysis or Specification** **[ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested**
3. **Detailed Description of Control Equipment** **[X] Attached, Document ID: 11b [ ] Not Applicable** **[ ] Waiver Requested**
4. **Description of Stack Sampling Facilities** **[ ] Attached, Document ID:_____ [X] Not Applicable** **[ ] Waiver Requested**
5. **Compliance Test Report** **[ ] Attached, Document ID:____** **[X] Previously submitted, Date: Quarterly VOC Emission Report on April 17, 1996** **[ ] Not Applicable**
6. **Procedures for Startup and Shutdown** **[ ] Attached, Document ID:_____ [X] Not Applicable**
7. **Operation and Maintenance Plan** **[ ] Attached, Document ID:_____ [X] Not Applicable**
8. **Supplemental Information for Construction Permit Application** **[ ] Attached, Document ID:_____ [X] Not Applicable**
9. **Other Information Required by Rule or Statute** **[ ] Attached, Document ID:_____ [X] Not Applicable**

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operation
[X] Attached, Document ID: 8 [ ] Not Applicable

11. Alternative Modes of Operation (Emissions Trading)
[ ] Attached, Document ID:_____ [X] Not Applicable

12. Compliance Assurance Monitoring Plan
[ ] Attached, Document ID:_____ [X] Not Applicable

13. Identification of Additional Applicable Requirements
[ ] Attached, Document ID: _____ [X] Not Applicable

14. Acid Rain Application (Hard-copy Required)

[ ] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
Attached, Document ID:_____

[ ] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
Attached, Document ID:_____

[ ] New Unit Exemption (Form No. 62-210.900(1)(a)2.)
Attached, Document ID:_____

[ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)
Attached, Document ID:_____

[X] Not Applicable

III. EMISSIONS UNIT INFORMATION - 03

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

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

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:

[X] 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).

[ ] 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.

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

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Design Center (Material Cutting and Shaping)		
2. Emissions Unit Identification Number: [ ] No Corresponding ID [ ] Unknown 04		
3. Emissions Unit Status Code: A	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: 3711
6. Emissions Unit Comment (limit to 500 characters): At the Design Center, prototypes and samples of conversion van components used at Mark III are built. Particulate matter emissions are generated by mechanical equipment (saws, sanders, grinders, etc.) used to cut and shape various raw materials (wood, wood-derived and plastic). Emissions are controlled at each piece of equipment by an exhaust hood system , which is connected to a common header and a baghouse, and finally vented to the atmosphere.		

Emissions Unit Control Equipment

A.

1. Description (limit to 200 characters) Baghouse
2. Control Device or Method Code: 018

B.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

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

Emissions Unit Details

1. Initial Startup Date: NA	
2. Long-term Reserve Shutdown Date: NA	
Package Unit: Baghouse Manufacturer: Murphy-Rogers	Model: MRA 19-290H
4. Generator Nameplate Rating: NA	MW
5. Incinerator Information: NA Dwell Temperature: Dwell Time: Incinerator Afterburner Temperature :	 °F seconds °F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: NA		mmBtu/hr
2. Maximum Incineration Rate: NA	lb/hr	tons/day
3. Maximum Process or Throughput Rate: 600 lb/hr		
4. Maximum Production Rate:		
5. Operating Capacity Comment (limit to 200 characters):		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:	
24 hours/day	7 days/week
52 weeks/year	8760 hours/year

D. EMISSIONS UNIT REGULATIONS.
(Regulated Emissions Units Only)

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

List of Applicable Regulations (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

62-210.400, F.A.C.	Emission Estimates.
62-210.650, F.A.C.	Circumvention
62-296.310, F.A.C.	General Particulate Emission Limiting Standards.
62-296.310(2), F.A.C.	General Visible Emission Standards.
62-296.310(3), F.A.C.	Unconfined Emissions of Particulate Matter.
62-296.320(2), F.A.C.	Objectionable Odors
62-297.310, F.A.C.	General Test Requirements
62-297.330, F.A.C.	Applicable Test Procedures
62-297.340, F.A.C.	Frequency of Compliance Tests
62-297.345, F.A.C.	Stack Sampling Facilities provided by the Owner of an Emission Unit.
62-297.570, F.A.C.	Test Reports
62-297.620, F.A.C.	Exceptions and Approvals of Alternate Procedures and Requirements.

E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: MRB = Murphy-Rogers Baghouse	
2. Emission Point Type Code: [X] 1 [ ] 2 [ ] 3 [ ] 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Horizontal Baghouse Exhaust.	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:	
5. Discharge Type Code: [ ] D [ ] F [X] H [ ] P [ ] R [ ] V [ ] W	
6. Stack Height:	33 feet
7. Exit Diameter:	1.75 feet
8. Exit Temperature:	Ambient °F
9. Actual Volumetric Flow Rate:	9642 acfm
10.Percent Water Vapor :	4-5 %
11.Maximum Dry Standard Flow Rate:	9233 dscfm
12. Nonstack Emission Point Height: NA	feet
13.Emission Point UTM Coordinates: Zone: 17 East (km): 384.2 North (km): 3235.4	
14.Emission Point Comment (limit to 200 characters):	

SEGMENT (PROCESS/FUEL) INFORMATION
(Regulated and Unregulated Emissions Units)

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): Miscellaneous Wood Products	
2. Source Classification Code (SCC): 30703099	
3. SCC Units: Tons Processed	
4. Maximum Hourly Rate: 0.3	5. Maximum Annual Rate: 2628
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment (limit to 200 characters):	

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

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

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

Pollutant Detail Information:

1. Pollutant Emitted: P.M.
2. Total Percent Efficiency of Control: (Need) %
3. Potential Emissions: 1.7 lb/hour 7.45 tons/year
4. Synthetically Limited? **[ ] Yes [X] No**
5. Range of Estimated Fugitive/Other Emissions: **[X] 1 [ ] 2 [ ] 3 _____ to _____ tons/year**
6. Emission Factor: **Reference: Process Weight Table - Rule 62-296.320(4)(a) FAC.**
7. Emissions Method Code: **[X] 0 [ ] 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5**
8. Calculation of Emissions (limit to 600 characters): **See original construction permit application.**
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters): **PM emission calculations for this emission unit were submitted with original air construction permit application.**

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: RULE
2. Future Effective Date of Allowable Emissions: NA
3. Requested Allowable Emissions and Units: NA
4. Equivalent Allowable Emissions: 1.7 lb/hour 7.45 tons/year
5. Method of Compliance (limit to 60 characters): EPA Method 9 / EPA Method 5.
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters): Emission limit specified by rule 62-296.310 (1)(b), FAC. EPA Method 9 can be used to demonstrate compliance with emission limits in lieu of EPA Method 5. If visible emissions higher than 5% opacity, EPA method 5 must be used to determine compliance with 62-296.310, FAC.

B.

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions: lb/hr tons/year
5. Method of Compliance (limit to 60 characters):
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Visible Emissions Limitation: Visible Emissions Limitation ___1___ of __1____

1. Visible Emissions Subtype: VE05
2. Basis for Allowable Opacity: [ ] Rule [X] Other
3. Requested Allowable Opacity: Normal Conditions: 5 % Exceptional Conditions: 5 % Maximum Period of Excess Opacity Allowed: min/hour
4. Method of Compliance: FDEP Method 9 on baghouse exhaust
5. Visible Emissions Comment (limit to 200 characters): VE opacity limit of 5% lieu of EPA Method 5. If opacity > 5% , EPA Method 5 must be performed to determine compliance. The general visible emission standard of 20 % opacity applies to this emission unit.

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype:
2. Basis for Allowable Opacity: [ ] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour
4. Method of Compliance:
5. Visible Emissions Comment (limit to 200 characters):

J. CONTINUOUS MONITOR IN. .RMATION
(Regulated Emissions Units Only)
Not Applicable

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement: [ ] Rule [ ] Other	
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters):	

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement: [ ] Rule [ ] Other	
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	
6. Performance Specification Test Date:	
7. Continuous Monitor Comment (limit to 200 characters):	

K. PREVENTION C SIGNIFICANT DETERIORATION SD) INCREMENT TRACKING INFORMATION
(Regulated and Unregulated Emissions Units)

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

[ ] 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 © of the definition of "major source of air pollution" in Chapter 62-213, FAC., 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?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

[ ] 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 © of the definition of "major source of air pollution" in Chapter 62-213, FAC., 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 emissions 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, the baseline emissions of the emissions unit are nonzero. In such a 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	[ ] C	[ ] E	[X] Unknown
SO2	[ ] C	[ ] E	[X] Unknown
NO2	[ ] C	[ ] E	[X] Unknown

4. Baseline Emissions:		
PM	lb/hour	tons/year
SO2	lb/hour	tons/year
NO2		tons/year

5. PSD Comment (limit to 200 characters):

L. I 'SSIONS UNIT SUPPLEMENTAL 'ORMATION
(Regulated Emissions Units Only)

Supplemental Requirements for All Applications

1. **Process Flow Diagram** [X] Attached, Document ID: 3 [ ] Not Applicable [ ] Waiver Requested
2. **Fuel Analysis or Specification** [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
3. **Detailed Description of Control Equipment** [X] Attached, Document ID: 11c [ ] Not Applicable [ ] Waiver Requested
4. **Description of Stack Sampling Facilities** [ ] Attached, Document ID:___ [X] Not Applicable [ ] Waiver Requested
5. **Compliance Test Report** [ ] Attached, Document ID: _____ [X] Previously submitted, Date: March 29, 1995 (Design Center has been closed for last six months, new VE test will be scheduled within 30 days of reopening of wood shaping operations.) [ ] Not Applicable
6. **Procedures for Startup and Shutdown** [ ] Attached, Document ID:_____ [X] Not Applicable
7. **Operation and Maintenance Plan** [ ] Attached, Document ID:_____ [X] Not Applicable
8. **Supplemental Information for Construction Permit Application** [ ] Attached, Document ID:_____ [X] Not Applicable
9. **Other Information Required by Rule or Statute** [ ] Attached, Document ID:_____ [X] Not Applicable

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operation **[ ] Attached, Document ID:_____ [X] Not Applicable**
11. Alternative Modes of Operation (Emissions Trading) **[ ] Attached, Document ID:_____ [X] Not Applicable**
12. Compliance Assurance Monitoring Plan **[ ] Attached, Document ID:_____ [X] Not Applicable**
13. Identification of Additional Applicable Requirements **[ ] Attached, Document ID:_____ [X] Not Applicable**
14. Acid Rain Application (Hard-copy Required) **[ ] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))** **Attached, Document ID:_____** **[ ] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)** **Attached, Document ID:_____** **[ ] New Unit Exemption (Form No. 62-210.900(1)(a)2.)** **Attached, Document ID:_____** **[ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)** **Attached, Document ID:_____** **[X] Not Applicable**

SECTION B

Attachment 1
Area Map

OCALA WEST QUADRANGLE
FLORIDA-MARION CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

4542 I SE (ANTHONY)

382 12′ 30″ 383 — GAINESVILLE 30 MI. 1.1 MI. TO FLA. 326 — 4542 I SW (REDDICK) — 385 — 386 10′ R 21 E 450 000 FEET — ORANGE LAKE (VIA U.S. 441) 13 MI. CITRA (VIA U.S. 301) 12 MI. — R 22 E — 390 — 82° 07′ 30″ — 29° 15′

Mark III Industries

Kendrick Cem

Quarry

Mt-Tabor Ch

Trailer Park

Campground

New St Marys Ch

Mt Tabor Cem

Ocala Temple

Radio Tower (KNHK)

Ch of God

Radio Towers

Tr Park

Vanguard High Sch

Trailer Park

Pine Oaks Golf Course

Campground

Sew Disp Pond

Sewage Disposal Pond

Palm Lake

Sandpit

Lincoln Mem Cem

Radio Towers (WTMC)

Bryant Park

Radio Tower (WWKE)

Howard Jr High Sch

Lamb Park

Temple Cem

Sr Marks Ch

Northside Park

Toms Park

Sew Disp

OLD RAILROAD GRADE

RAILROAD

ANTHONY ROAD

MARTIN LUTHER KING JR AVE

NW 44TH AVE

NW 43RD AVE

NW 35TH ST

NW 21ST ST

NW 22D ST

NW 14TH ST

NW 10TH ST

NE 49TH ST

NE 35TH ST

NE 31ST ST

NE 29TH ST

NE 28TH ST

NE 19TH ST

NE 14TH ST

NW 6TH AVE

NW 5TH RD

ANTHONY 5 MI.

3235

3234

1 780 000 FEET

3232

12′ 30″

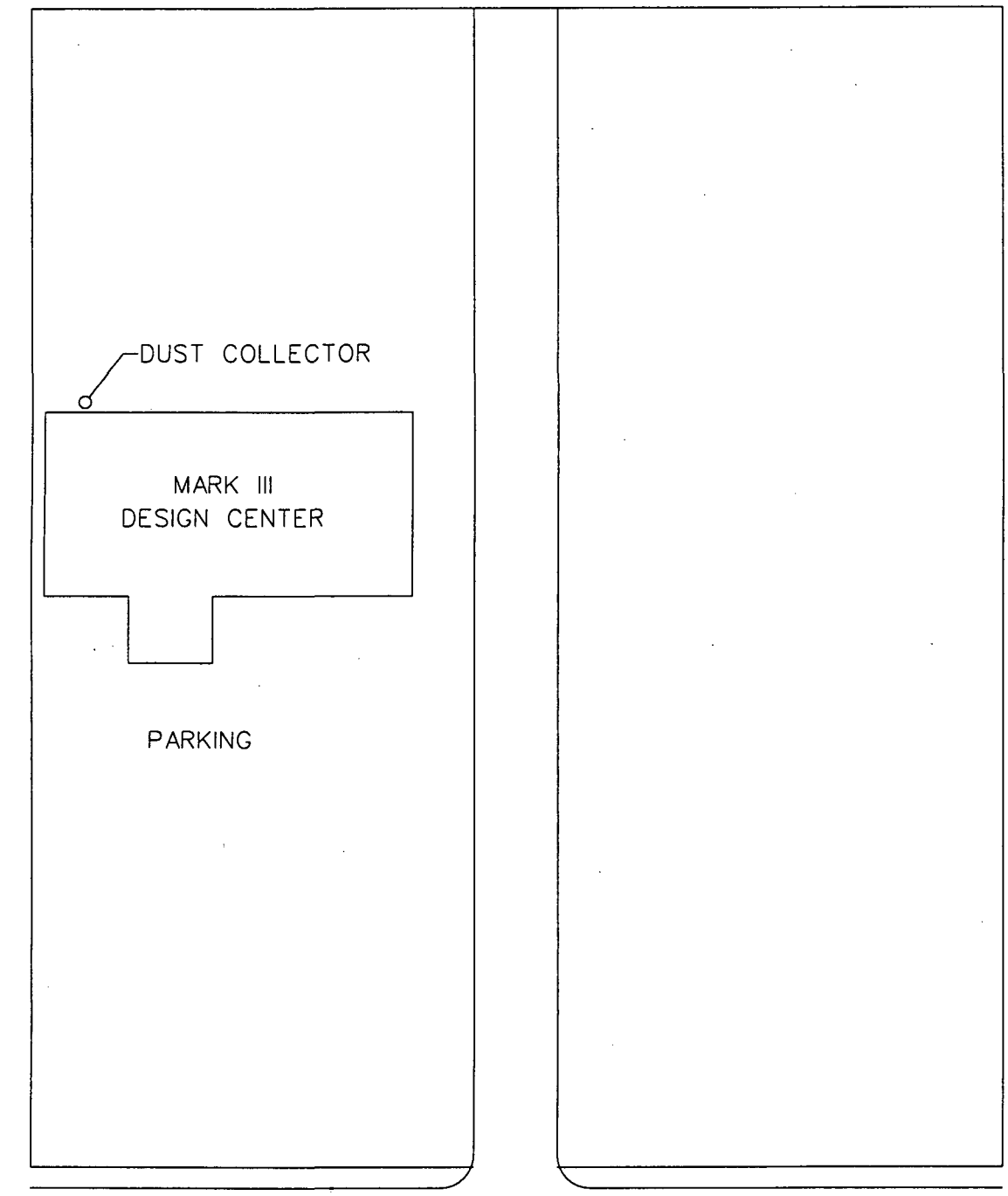
3231

T 14 S

T 15 S

SECTION B

Attachment 2
Plot Plan



NOT TO SCALE

RUST Rust Environment & Infrastructure	DATE: 06/07/96	PROJ. NO.: 33571	SITE PLOT PLAN	FIG NO.
	DRN. BY: JLM	FDEP FACILITY NO.:	MARK III INDUSTRIES - DESIGN CENTER	2
	CHECKED BY: JG		OCALA, FLORIDA	

F:\ENVIR\33571\CADD\33571-02.DGN - PLOT DATE: 06/07/96

℄ I-75

N

ABOVE GROUND PROPANE TANKS

BODY SHOP

TIRE BAY 2 ASS'Y LINES

RUNNING BOARDS

SPORT TOP PAINT

SPORT TOP BAND

PICK-UP

SPORT TOP CUT

OFFICE/ ADMIN.

CUSTOMER SERVICE

WAREHOUSE

GATE

PRODUCTION AREA 1 10 ASSEMBLY LINES (NO EXHASUTS)

BAG HOUSE

CABINET SHOP

SHIP DETAIL

REAR AIR REFRIGERANT DRAIN/REFILL

SHIPPING

GATE

WATER STORAGE BUILDING

HAZARDOUS WASTE STORAGE AND PAINT MIX AREA

GUARD HOUSE

ENTRANCE GATE

WOOD CHIPPER

CUT STATION

GATE

KEY HOUSE

GATE

RETENTION POND

PRE-DELIVERY INSPECTION

LEGEND

- ● PAINT BOOTH
- □ CONVENTIONAL
- △ FLASH-OFF TUNNEL
- \+ GUN CLEANING STATION
- ○ PAINT MIXING STATION
- ✱ BAG HOUSE EXHAUST
- ◥ UV OVEN
- ◧ IR OVEN
- ▨ SANDING AREA

NOT TO SCALE

FACILITY SITE PLAN
MARK III INDUSTRIES
OCALA, FLORIDA

FIGURE NO. 1

DATE: 06/07/96
DRN. BY: JLM
CHK'D. BY: JG

8375 DIX ELLIS TRAIL
SUITE 402
JACKSONVILLE, FL. 32256
PHONE: (904) 363-9999
FAX: (904) 363-9932

RUST
Rust Environment & Infrastructure

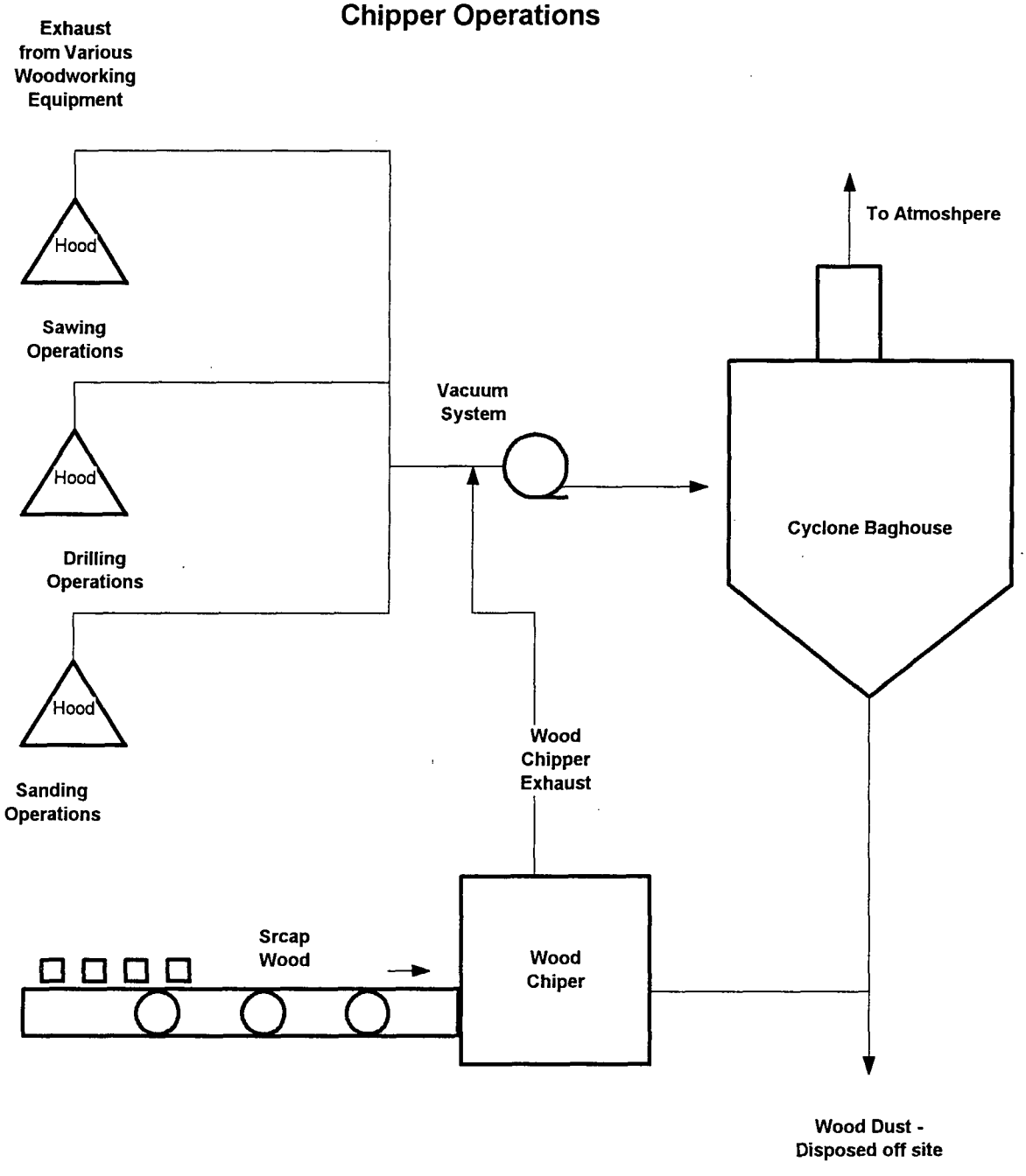
F:\ENVIR\33571\CADD\33571-01.DGN - PLOT DATE: 06/07/96

SECTION B

Attachment 3
Process Flow Diagram

MARK III Industries

Cabinet Shop and Wood Chipper Operations

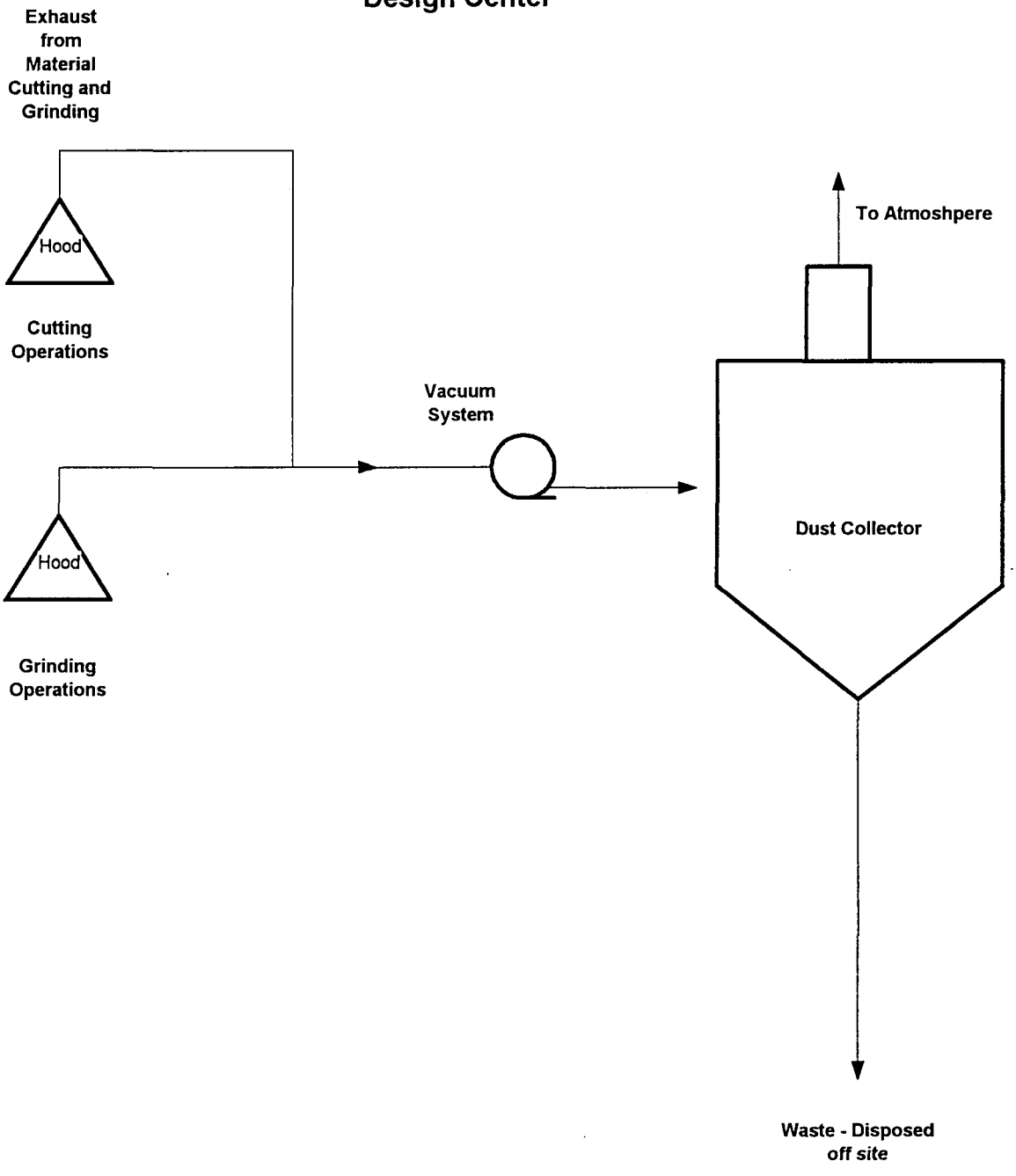


Rust Environment and Infrastructure
June, 1996

Drawing: PFD 01

MARK III Industries

Design Center

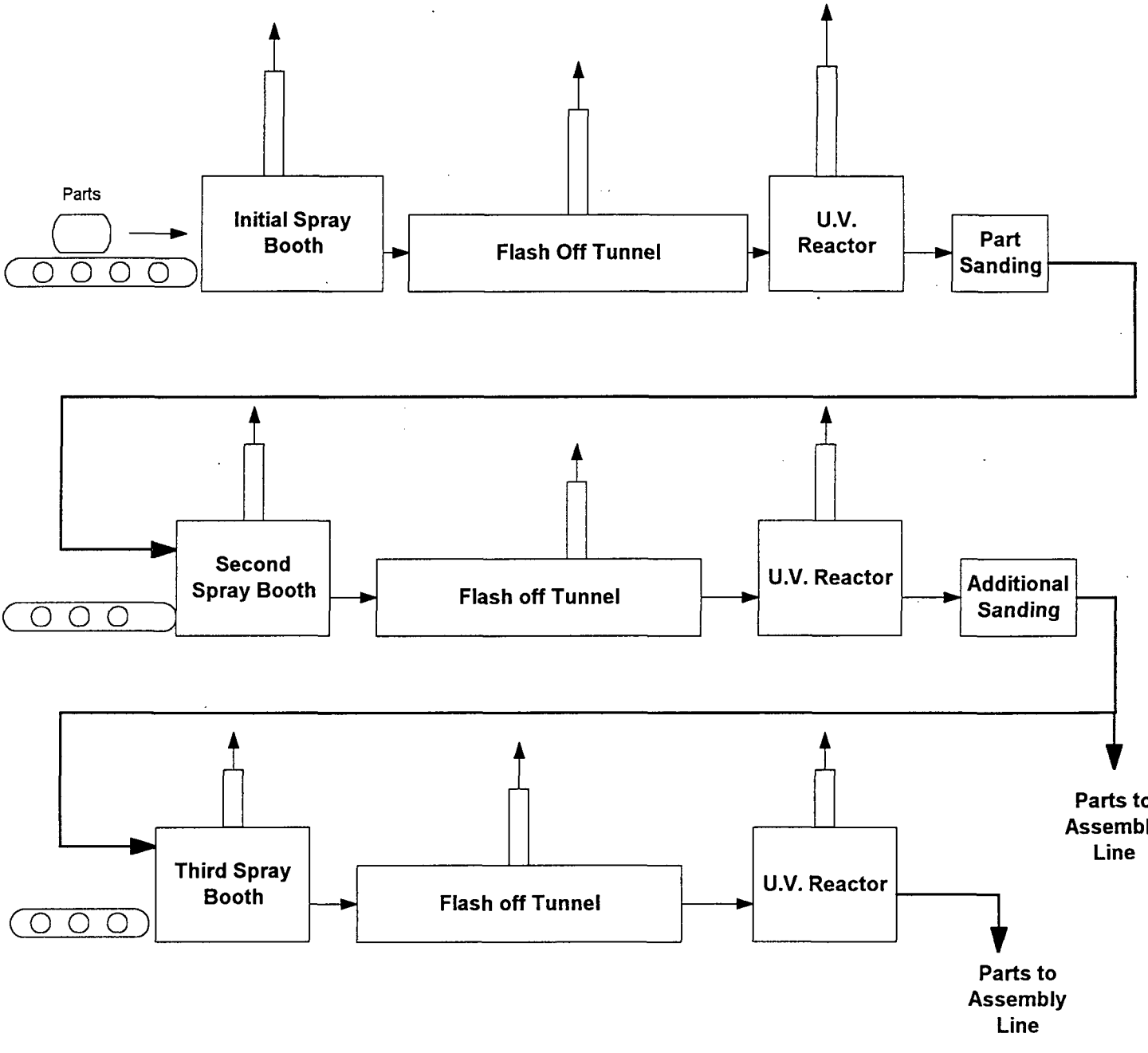


Rust Environment and Infrastructure
June, 1996

Drawing: PFD 02

MARK III Industries

Spray Booth Operations, Type I

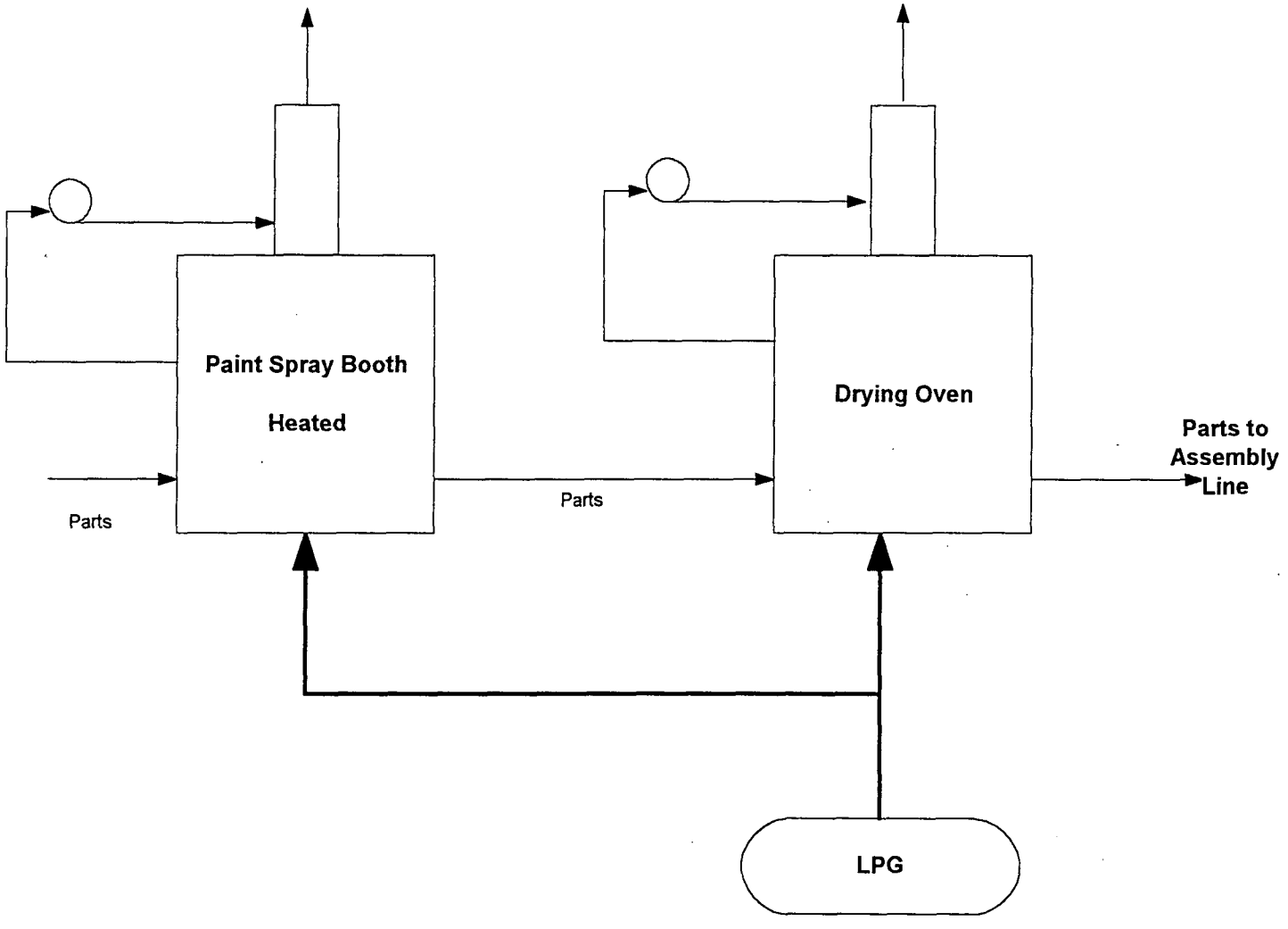


Rust Environment and Infrastructure
June, 1996

Drawing: PFD 03

MARK III Industries

Spray Booth Operations,
Type II



Rust Environment and
Infrastructure
June, 1996

Drawing: PFD 04

SECTION B

Attachment 4
Precautions to Prevent Emissions of Uncontrolled Particulate Matter

Precautions to Prevent Emissions of Unconfined Particulate Matter at MARK III Industries.

Unconfined particulate matter emission can be caused by wind erosion and vehicular traffic on unpaved roads. Mark III has two main unpaved areas. The first area, located in the north side of the facility, is part of the product parking area used to park outgoing vehicles. Some of this parking area is covered by grass, to help reduce the unconfined particulate matter emissions. The second unpaved area, located just outside the southwest fence surrounding the facility, is used as additional employee parking. By its very nature, this source will only generate fugitive emissions at discrete times during the day (shift change). Fugitive dust from vehicular traffic has not been a problem at Mark III thus far. Mark III will continue to monitor the unpaved areas of the facility periodically and will address the unconfined dust issue if it does become a problem.

As discussed in this document, Mark III is currently taking all the necessary precautions to prevent unconfined particulate matter.

SECTION B

Attachment 5
Fugitive Emission Identification

Fugitive Emissions Identification at MARK III Industries.

The following list summarizes all the fugitive P.M., VOC, and HAP emissions generated at various locations through out the Mark III facility.

Activity	Location
Fugitive HAP emissions from four water chlorination units.	Well No.1 next to retention pond. Well No.2 near Warehouse Well No.3 at Wastewater Treatment Plant Well No.4 at Design Center
Fugitive VOC emissions from welding operations.	Sport Top Cut area in northwest corner of Pick Up/Sport Top building.
Fugitive VOC emissions from use of various petroleum products at Auto Fluid Topping Areas	Pre-Delivery Inspection building
Fugitive P.M. emissions from sanding operations at fiberglass sanding areas.	Northeast section of Pick Up/Sport Top building and north section of Running Boards/Tire Bay building.
Fugitive VOC & HAP emissions from use of various products/chemicals for touch-ups, sealers and body works at several assembly lines and work stations.	Production Area building Cabinet Shop building Up/Sport Top building Running Boards/Tire Bay building Body Shop building Cut Station building Receiving /Shipping building
Fugitive VOC & HAP emissions from use of various products/chemicals for cleaning at several assembly lines and work stations.	Production Area building Cabinet Shop building Pick Up/Sport Top building Running Boards/Tire Bay building Rear Air building Body Shop building Cut Station building Receiving /Shipping building

Fugitive VOC & HAP emissions from 16 paint gun cleaning stations located throughout the facility.	Cabinet Shop - 1 station Pick Up - 2 stations Sport Top - 2 stations Running Boards - 8 stations Body Shop -3 stations
Fugitive VOC emissions from use of isopropyl alcohol for cleaning at the van striping area.	Production building
Fugitive propane emissions from leaks in the storage and transfer of propane gas from the three above-ground storage tanks to the 19 heated paint booths and the 18 curing ovens throughout the facility.	Southeast of Body Shop building - 2 tanks South of Warehouse - 1 tank
Fugitive VOC emissions from three paint mixing stations.	Paint Mix Area in Hazardous Waste Storage building
Fugitive P.M. emissions from cutting and grinding of various materials through out the facility.	Cabinet Shop Design Center Sport Top Cut Area
Fugitive P.M. emissions from vehicle traffic through unpaved areas of the facility.	Employee parking lot southwest of facility. Vehicle parking and storage lots at North end of the facility.

ATTACHMENT B

Section 6
List of Proposed Exempt Activities

List of Proposed Exempt Activities

Mark III Industries.
Ocala , Florida

Activity	Rationale
Fugitive HAP emission from four water chlorination units throughout the facility.	HAP potential to emit is below the 1000 lb/yr threshold
Fugitive VOC and HAP emissions from storing of miscellaneous chemical compounds in 55 gallon drums at the Hazardous Waste Storage area.	Storage area is enclosed and bermed plus all material is in 55 gallon drums which have a lid to reduce fugitive emissions, no more than 100 drums stored . Pick up of all drums every 15 days.
Fugitive VOC emissions from welding operations.	VOC potential to emit is below the 5 tpy threshold
Fugitive VOC emissions from use of various petroleum products at Auto Fluid Topping Areas	New and used motor oil as well as hydraulic fluid have very low volatility, therefore , VOC potential to emit is below the 5 tpy threshold.
P.M. fugitive emissions from sanding operations at Running Board fiberglass sanding areas.	P.M. potential to emit is below the 5 tpy threshold
Fugitive VOC & HAP emissions from use of various products/chemicals for touch-ups, sealers and body works at several assembly lines and work stations.	VOC potential to emit is below the 5 tpy threshold. HAP potential to emit is below the 1000 lb/yr threshold.
Fugitive VOC & HAP emissions from use of various products/chemicals for cleaning at several assembly lines and work stations.	VOC potential to emit is below the 5 tpy threshold. HAP potential to emit is below the 1000 lb/yr threshold.
Fugitive VOC emissions from 16 paint gun cleaning stations located throughout the facility.	VOC potential to emit is below the 5 tpy threshold
Fugitive VOC emissions from use of isopropyl alcohol for cleaning at the van striping area.	VOC potential to emit is below the 5 tpy threshold

Fugitive propane emissions from leaks in the storage and transfer of propane gas from the three above-ground storage tanks to the 19 heated paint booths and the 18 curing ovens throughout the facility.	VOC potential to emit is below the 5 tpy threshold
Fugitive NOx, CO, VOC, and SO2 emissions from combustion of propane gas at the 19 heated paint booths and 18 curing ovens throughout the facility..	All Emissions below the 5 tpy threshold level.
Fugitive VOC emissions from three paint mixing stations at the Paint Mix Area.	VOC potential to emit is below the 5 tpy threshold

SECTION B

Attachment 7
List of Equipment Regulated Under Title VI

List of Equipment/Activities Regulated Under Title VI

Mark III Industries
Ocala, Florida

Under Title VI, all equipment at the Title V source which contains more than 50 pounds of charge of any Class I or Class II ozone depleting substance must be listed in this application. None of the air conditioners and heat pump units currently located at the Mark III facility contains more than 50 pounds of charge of a Class I or Class II ozone depleting substance.

Also under Title VI, any activities at the Title V source any involving a Class I or Class II ozone depleting substance must be listed in this application. At the building designated Rear Air, Freon and other chlorofluorocarbons (CFCs) containing refrigerants are removed from the vehicles. Air conditioning ducting is modified to allow additional A/C outlets at the rear of the vehicles. Upon completion of the duct modification/installation, all refrigerant is returned to the vehicles. Very minute amounts of refrigerant are lost from the transferring operations. All involved technicians are trained and certified in the use of CFC recycling equipment.

List of Equipment/Activities Regulated Under Title VI

Mark III Industries
Ocala, Florida

Under Title VI, all equipment at the Title V source which contains more than 50 pounds of charge of any Class I or Class II ozone depleting substance must be listed in this application. None of the air conditioners and heat pump units currently located at the Mark III facility contains more than 50 pounds of change of a Class I or Class II ozone depleting substance.

Also under Title VI, any activities at the Title V source any involving a Class I or Class II ozone depleting substance must be listed in this application. At the building designated Rear Air, Freon and other chlorofluorocarbons (CFCs) containing refrigerants are removed from the vehicles. Air conditioning ducting is modified to allow additional A/C outlets at the rear of the vehicles. Upon completion of the duct modification/installation, all refrigerant is returned to the vehicles. Very minute amounts of refrigerant are lost from the transferring operations. All involved technicians are trained and certified in the use of CFC recycling equipment.

SECTION B

Attachment 8
Alternate Methods of Operation

Alternate Methods of Operation
Operational Flexibility Summary

The market in which Mark III operates is entirely consumer driven. In order to remain competitive, Mark III must have the flexibility to evaluate and adopt any new materials, methods, techniques, and/or technologies as they develop. Mark III has constantly been striving to improve their products and production methods by seeking out and evaluating all types of materials and new techniques. One of the primary objectives of this constant search is to replace current materials and/or techniques for materials and/or techniques that generate lower volatile organic compounds (VOCs) and hazardous air pollutant (HAPs) emissions. In trying to develop a coherent operational forecast, Mark III management has been in contact with various suppliers to try to assess the trends in their respective industries. It is hard to predict what materials will be available in the next 5 to 8 years. Mark III will continue to utilize various materials in building their products. Each category may include, but is not limited to, any combination of the type materials listed under them.:

1. Adhesives:
    - Solvent based adhesives
    - Water based adhesives
    - Hot Melt adhesives
    - Air dried adhesives
    - Heat cured adhesives
    - Ultra-violet (UV)or electron beam (EB) cured adhesives
    - Single part adhesives
    - Multi part adhesives
    - Proprietary Compounds
    - Miscellaneous

2. Wood Finishing Products:
    - Stains
    - Fillers
    - Sealers
    - Top Coats
    - Solvent based finishes
    - Water based finishes
    - Solvent less finishes
    - Air dried finishes
    - Heat cured finishes
    - UV/EB cured finishes
    - Single part finishes
    - Multiple part finishes
    - Shrink wrap finishes
    - Powder coat finishes
    - Proprietary Compounds
    - Miscellaneous

3. Automotive finishing products
   - Primers
   - Sealers
   - Enamels
   - Lacquers
   - Acrylics
   - Urethanes
   - Basemakers
   - Tints
   - Reducers
   - Activators of various types
   - Additives
   - Metal treatments
   - Balancers
   - Binders
   - Thinners
   - Powdered pearls
   - Clear coats
   - Polishing compounds
   - Body fillers
   - Putties
   - Polishes
   - Glazes
   - Solvent Based finishes
   - Water based finishes
   - Solvent less finishes
   - Air dried finishes
   - Heat cured finishes
   - UV/EB cured finishes
   - Single part finishes
   - Multi-part finishes
   - Shrink-wrap type finishes
   - Powder coat finishes
   - Proprietary Compounds
   - Miscellaneous

4. Application Methods
   - Spraying of all Finishes and/or adhesives
   - Parts dipping
   - Roll coating
   - Wiping
   - Brushing
   - Electro-deposition
   - Vacuum coating
   - Miscellaneous

Current air pollution permits limit the VOC emissions from the entire facility to 249 tons of VOC per year. Mark III requests the flexibility to utilize any combination of the above mentioned materials and/or application techniques as long as the facility-wide emissions remain at or below 249 tons of VOC per year. Compliance with the VOC emission limit will continue to be demonstrated through quarterly emission reports. Mark III will continue to research and attempt to substitute products with lower levels of HAPs. In addition, plant production could increase from the current level to a maximum of 75,000+ units per year. It is important to caution the reader that, due to the significant variability in the types and amounts of materials used to produce different styles of vehicles along with the variability in VOC and HAP content in different types of paint and/or even between different colors of same paint type, it is not always possible to establish a direct correlation between total VOC/HAP emissions and number of units painted.

Mark III will continue to operate for a maximum of 8760 hours per year. Particulate matter emissions from the wood processing operations at the woodshop will not exceed the permitted amount of 27.4 tons per year. Visible emissions from the particulate matter emitting sources will remain below the permitted limit of 20 percent opacity while visible emissions from the volatile organic compound emitting sources (coating and paint booths) will remain below the proposed visible emission limit of 5 percent opacity.

If the VOC contents of the paints/coatings/sealers and other related materials used in the manufacturing of vans and trucks is reduced during the next 10 years, including the terms of Title V, Mark III will have the option to switch to these lower VOC containing materials and possibly increase the consumption of paints/coatings/sealers and other related materials as long as the combined VOC emissions from these materials do not exceed the 249 tons per year cap established by the current construction permits.

SECTION B

Attachment 9
Compliance Report and Plan

Compliance Report and Plan
Mark III Industries
Ocala, Florida

Mark III Industries has been and will continue to be in compliance with all applicable requirements of the permits specified below, and also with all the applicable regulations listed in Part II Sections B and Part III Section D of the Title V permit application form. The facility has been operating under the following permits:

AO42-166619 - Cabinet Shop and Woodchipper Operations.
AC42-236031 - Spray Coating (UV) of Wood Parts
AC42-222353 - Spray Painting of Parts.
AO42-247612 - Material Cutting and Shaping Operations at the Design Center

Mark III Industries has been submitting all the compliance test reports in a timely manner. A compliance plan is not necessary because Mark III Industries is in compliance with all applicable regulations and requirements.

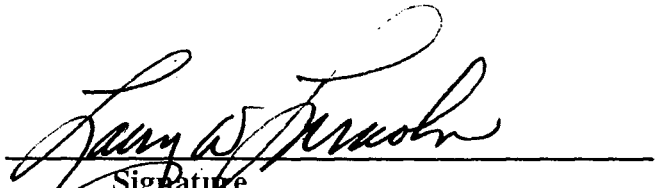
SECTION B

Attachment 10
Compliance Statement

Compliance Certification

Mark III Industries
Ocala, Florida

I, the undersigned, am the responsible official as defined in Chapter 62-210.200, F.A.C., of the Title V source for which this report is being submitted. I hereby certify, based on the information and belief formed after reasonable inquiry, that the statements made and data contained in this report are true, accurate and complete.



Signature

6-10-96

Date

Larry W. Lincoln
Chief Executive Officer

SECTION C
SUPPLEMENTAL INFORMATION FOR INDIVIDUAL EMISSION UNITS

SECTION C

Attachment 11
*Control Equipment Description

SECTION C

Attachment 11a
Pneumafill Dust Collector

BAGHOUSE SPECIFICATIONS

Manufacturer:	Pneumafil
Model #:	13.5-448-12
Serial #:	1292
No. Of Bags:	480
Bag Size:	5" X 12'
Bag Material:	Dacron/Polyester
$Ft.^2$ Filter Area:	7,200 $Ft.^2$
Air-To-Cloth Ratio:	9.4 To 1
System Acfm:	68,000

SECTION C

Attachment 11b
Overspray Paint Collectors with filters

Attachment 11b
Overspray Paint Collectors with filters
Type I Spray Booths

II SEQUENCE OF OPERATION

Parts will be loaded onto a flat belt conveyor at the designated load area. The parts will pass under a photo cell light bar which will read the charge for length and width. Parts then enter the automatic sealer spray booth where they will be coated with an automatic reciprocator using the information down loaded from the P.C. System. Exiting the spray booth, parts will flash 3 minutes and enter the U.V. curing oven. Exiting the curing oven, parts will be unloaded and sanded on downdraft sanding table.

The parts will be loaded on to Flatline Number 2 for the second sealer coat. The parts will pass under a photo cell light bar which will read the charge for length and width. Parts then enter the automatic sealer spray booth where they will be coated with an automatic reciprocator using the information down loaded from the P.C. System. Exiting the spray booth, parts will flash for 3 minutes and enter the U.V. curing oven. Exiting the curing oven, parts will be unloaded and sanded on downdraft sanding table.

Parts will then be loaded on the Topcoat Flatline for final coat. The parts will pass under a photo cell light bar which will read the charge for length and width. Parts then enter the automatic topcoat spray booth where they will be topcoated with an automatic reciprocator using the information down loaded from the P.C. System. Exiting the spray booth, parts will flash for 3 minutes and enter the U.V. curing oven. Exiting the curing oven, parts will be unloaded at the designated unload area.

III EQUIPMENT DESCRIPTION

Spray Booth and Components

3	MSI-8-8-12-T-CH	Totally enclosed downdraft spray booth with paint recovery. The booth enclosure and intake system will be constructed of 12 gauge framing and 18 gauge pre-punched and flange panels (galvanized epoxy painted). Unit will include an Oscar downdraft over spray collector and recovery system constructed of 304 stainless steel. The exhaust fan and air intake fan are both 30" diameter. Tube axial unit rated 6000CFM @ 1/2" static

		pressure. Unit will also include two 2'6"W x 6'8"H access doors with large misco wire glass windows at the entrance end and exit end will have two large framed windows mounted on gas shocks for easy access and clean-up, two incandescent explosion proof lights. This booth will come equipped with dampers and ducting necessary for exhaust recirculating. Includes all air intake prefilters.
3	MSI-2930	30" pitched type roof flange with rainskirt (galvanized)
3	MSI-2996	30" combination automatic damper with rainguard (galvanized)
60'		30" spiral exhaust stack with connector rings (galvanized)
6		30" diameter x 10' offset exhaust transition constructed of 16 gauge rolled and welded galvanized steel with connector rings

Reciprocating Spray Machine

3	MSI-1000	Spray finishing machine (4 ft stroke). The unit is furnished with a 2 HP, explosion-proof electric motor coupled to a gear reducer. The motor to be field wired to 230 volt, 3 phase, 60 cycle, from the controls supplied. The output of the reducer drives a heavy duty chain to which a light weight carriage is attached. The 16 ball bearings are mounted in plastic rollers which engage the support structure side walls. For reduced noise operation, 4 of the rollers are adjustable to guide the carriage travel. A

bracket attached to the carriage extends outside the cabinet to accommodate a mounting of a tube to support the spray device. Maximum carriage speed is 300 FPM The speed is controlled by a frequency controller which is furnished in NEMA 12 enclosure. Carriage speed is adjustable from 10 FPM to maximum of 300 FPM. Driven from the double extended output shaft of the reducer is a cam type spray control which follows carriage location for gun triggering. The spray control is driven through two series of roller chains sprockets with specific ratios that are independently adjustable to compensate for chain wear. The spray is automatically shut off each time it reaches the edge of the ware and is automatically turned on again as soon as it reaches the edge again on the return stroke, so that the ware is sprayed on both the upward and downward stroke. This operation, imitating hand spraying saves considerable material and prevents accumulation of material on the nozzle of the gun which would cause spitting. This unit is furnished with (1) split cam. This allows (1) preset spray stroke to be selected to control spray duration for that particular size product. Spray stroke adjustment to be from 1' to 4'.

The following standard electrical controls are mounted inside NEMA 12 enclosure and are furnished with the machine:

1 - Transformer, 230/115 Volts
1 - Master Control Relay for Power ON
1 - Set of Fuses
1 - Overload Relay

1 - 230 Volt, 3 Phase, 60 Hz, Frequency Controller with speed indicator displayed in Hertz

Mounted on the face of the same control panel are the following components:

1 - Main Disconnect Handle
1 - Power ON/OFF Push Button
1 - Reciprocator ON light (green)
1 - Reciprocator Fault Light (red)
1 - Reciprocator START/STOP Push Button
1 - Speed Pot for Reciprocator Speed Control
1 - Power ON Indicator

NOTE: We have taken into consideration in this system the need for manual spray application on consoles and when equipment breakdowns occur. The booth has been designed with the proper velocity by adjusting the manual dampners to the proper velocity for a manual spray operator. The reciprocator also will roll to one side of the booth, therefore, allowing an accessible work area for the operator.

Process Control

The P.C. System will be integrated to the photo light bar. This will control gun triggering and gun lead/lag. The unit will also control interlocks for emergency shut down, exhaust fan proven, conveyor proven.

Note: All spray equipment and pumping equipment supplied by Mark III.

Flash Off Tunnel

3	MSI-55-7-7-LH	55'L x 6'W x 7'H Flash Off Tunnel. Constructed of 18 gauge pre-formed and punch galvanized panels (painted). Unit will come complete with two 12" intake fans, intake filter system, three tap 18" exhaust system, one access door, two fluorescent light fixtures.
3	MSI-8-7-6	U.V. Curing Enclosure. Unit will include 18" exhaust fan, 18" roof curb, 18" combination automatic damper with rain guard. The fresh air intake will also have an 18" fan. The

unit will be constructed of 18 gauge pre-formed and punched galvanized panel (painted). One 2'6" x 6'8" access door.
Note: Mark III to supply U.V. lamps, all controls and starters.

Conveyor System

3	MSI-368	8'L x 36"W Belt Conveyor with 1 horsepower explosion proof motor, variable mechanical speed drive, 5.8-35FPM, white PVC 120 belt, 1 power GAP roller, nominal work elevation 36".
3	MSI-3614	14'L x 36"W PolyBand Self Cleaning Conveyor. This unit is designed to scrape the polybands clean on each revolution of the band. This allows you to reclaim the sprayed material. The bands will be on 4" centers with idling pulley in the booth. Unit will include 1 1/2 horsepower explosion proof motor variable mechanical speed drive, 5.8 - 35 FPM, 2 GAP power rollers, nominal work elevation 36" Note: Small parts will be loaded onto plastic sheet to be sprayed.
3	MSI-3666	66'L x 26"W Belt Conveyor with 2 horsepower explosion proof motor, variable mechanical speed drive, 5.8-35 FPM, white butyl high temperature belt with scraper, nominal work elevation 36"
4	MSI-3068	Down Draft Sanding Tables with the following specifications: Unit size 30"W x 68"L x 36"H. Unit has self contained bag house that will clean air down to sub micron size so that air is exhausted back

into the building. Unit velocity is 1600 CFM with centrifical exhaust fan; electric motor size 1 1/2 HP.

1 MSI-1001 Air Make-Up Discharge Filtration System
The unit will be 84"H x 14"W x 7'Deep. The unit will be constructed of 16 gauge galvanized steel and rigidly reinforced. The unit will include dual filtration system, the first being 20" x 20" x 2" thick pleated filters, rated 40% efficient. The 2nd bank of filters will be 24" x 24" polyester bag filters with 10 pockets rated 85% efficiency. The unit will also include access doors to change filters and all necessary support steel. There will also be a new intake hood to entrance side of air make-up unit filled with a set of V bank aluminum washable filters.

1 MSI-7-5 Touch-up Spray Booth 7'- 0" high x 5'- 0" wide Booth construction 18 GA galvanized panels pre-punched on 6" centerlines.

Includes: 20" x 20" x 3" Filter Frames with Grids

(1) 20'- 0" x 18" diameter Exhaust Stack

(1) 24" diameter Automatic Dampner and Canopy Assembly

(1) 24" diameter Roof Curb with Rainskirt

IV REWORK EXISTING LINE

As depicted on IHP Drawing #87236-L2.

We will remove the existing Dog Leg, take out High Mass Oven and Exhaust Intake Stacks, remove Stain Booth and Exhaust Stack, build and install Covers to fit Roof Curbs where Exhaust and Intake Stacks have been removed. Split existing Take-up and Retro Fit so that existing line is now oval. Remove and install Conveyor Drive at entrance of Take-up. Remove and install existing U.V. Oven at end of new oval. Rebuild entrance sheet metal on existing U.V. Oven.

Attachment 11b
Overspray Paint Collectors with filters
Type II Spray Booths

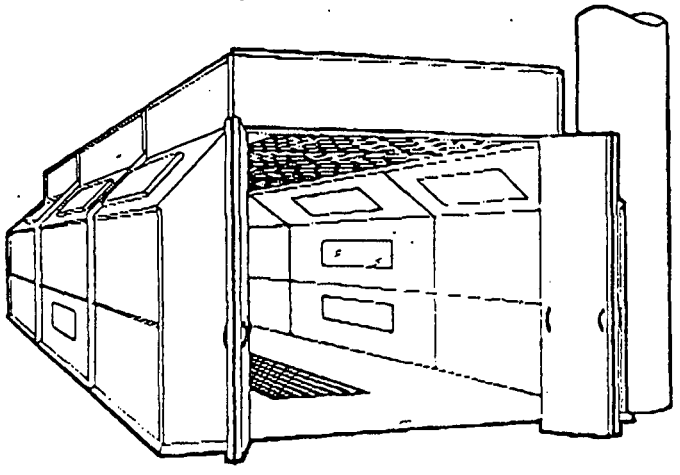
DEVILBISS

1-800-338-4448

CONCEPT II

Downdraft auto refinish booth systems

10 OF THESE BOOTHS ON LOCATION



CONCEPT II is designed so that replacement air passes through filters in the ceiling and flows downward around the vehicle and into filtered gratings in the floor. This downdraft air flow pulls the overspray down into a pit instead of along the length of the vehicle as in conventional spray booths. The end result is a cleaner, factory-like finish since the chance of overspray and contaminants collecting on a freshly painted vehicle are minimized.

CONCEPT II Can Give You

Cleaner Paint Jobs—CONCEPT II has a multi-stage filtering system designed on the same principle as huge automotive production line spray booths. Its downdraft air flow virtually eliminates airborne dust and dirt—for super clean paint jobs for a factory-like finish.

More Profits—A CONCEPT II system helps to eliminate the two major causes of unsatisfactory refinishing jobs—airborne dirt and a bad painting environment. Therefore, it reduces the number of reworks. And fewer reworks mean more profits by eliminating the additional costs of labor, material, and tying up your spray booth for a second time.

Better Employee Working Environments—Good painters appreciate good equipment and CONCEPT II provides a healthier, more comfortable working environment with its downward air flow, drawing overspray away from the breathing zone of the painter.

CONCEPT II—The DeVilbiss Advantage

Four Models to Choose From—DeVilbiss offers basement or floor models to fit your location. Both are available in solid back or drive-thru models.

Access Door—Provides convenient access to the booth without opening large doors. Right or left side installation

Effective Lighting—Designed to provide excellent illumination for today's full-size, mid-size, and compact cars as well as for vans and pick-up trucks.

Panel Construction—These coated steel panels feature two inch, rolled edge flanges on all four sides for easy handling and strong rigid structures. Mitered and formed corners for accurate tight fitting seams and uniform pre-punched holes provide an easy fit and fast installation

SPECIFICATIONS

Floor Pit Booth Size
Inside—24'-0"L x 14'-0"W x 9'-0"H
Outside—24'-4"L x 14'-10"W x 11'-2"H

Floor Pit dimensions—16'-10"L x 3'-4"W x 2'-6"D

Raised Floor (Basement) Booth Size
Inside—24'-8"L x 13'-0"W x 9'-0"H
Outside—25'-0"L x 13'-10"W x 12'-3"H

Raised Floor
Basement—13" high equipped with 6'-10" long ramps

Entrance or Exit doors—9'-7"W x 8'-9"H (Clear) solid bi-fold type with magnetic latches

Access Door—One 30"W x 84"H hinged type with magnetic latch

Lighting—Eight flourescent fixtures (7 four tube open, 1 three tube vapor tite) 40 watt

Observation Window—None

✓ **Fan**—34" diameter rated at 10,000 CFM

Motor—3 HP 3 Phase open type (specify voltage), with variable pitch drive

Fan Connector Rings—Two included

Exhaust Stack—None, but JJ-9415 stack support and damper assembly included in floor pit models only.

Filters—Air input (ceiling)—tacky media, first stage, built in reinforcing frame, Viledon final stage, layered type. One set of 24 included. Paint arrestor (Floor)—one extra change included.

Floor Grating—Included

Booth Construction—18 Gauge, four sided steel panels with 2" flanges and rolled edges, factory painted on both sides. Hardware, caulking and door seals included.

✓ **Air Replacement**—Direct gas fired unit and air intake package; varies with the type of installation required. All are rated at one million BTU and capable of a 90°F (32°C) temperature rise, with a 5 HP, 10,000 CFM blower included. Units meet FM and IRI specifications and CSA and CGA requirements in Canada.

Oven cfm
3 HP 24" ⟩ 9,150 CFM
1 - FPM

COLUMBUS INDUSTRIES' OVERSPRAY COLLECTOR PRODUCT LINE EFFICIENCY/HOLDING CAPACITY PERFORMANCE FOR TYPICAL COATINGS

Coating Type	Expected Efficiency Range (%)	Holding Capacity (lbs) @ .5" W.C.
STANDARD AND STANDARD MINI-MESH OVERSPRAY COLLECTORS*		
Air-Dry Enamel	96.0-98.0%	2.30-2.70
Bake-Dry Enamel	96.5-98.5%	4.10-4.40
Lacquer	87.0-90.0%	1.20-1.50
Primer	93.0-95.0%	7.00-7.50
Waterborne Enamel	95.0-98.0%	3.50-3.80
HIGH-CAPACITY AND HIGH-CAPACITY MINI-MESH OVERSPRAY COLLECTORS*		
Air-Dry Enamel	96.0-98.0%	4.80-5.20
Bake-Dry Enamel	97.0-99.0%	7.80-8.40
Lacquer	87.0-90.0%	1.50-1.80
Primer	93.0-95.0%	10.00-12.00
Waterborne Enamel	96.0-98.0%	6.80-7.20
SUPRA I AND SUPRA I MINI-MESH HIGH EFFICIENCY OVERSPRAY COLLECTORS		
High-Solids Bake Enamel	99.7-99.9%	5.30 @ .35" W.C.
Waterborne Bake Enamel	98.5-99.5%	4.20 @ .50" W.C.
(Tests conducted using one layer of filter media only)		
SUPRA II AND SUPRA II MINI-MESH HIGH EFFICIENCY OVERSPRAY COLLECTORS		
High-Solids Bake Enamel	98.5-99.5%	5.80 @ .20" W.C.
Waterborne Bake Enamel	97.5-99.0%	4.50 @ .50" W.C.
(Tests conducted using one layer of filter media only)		
HIGH-CAPACITY SUPRA AND HIGH-CAPACITY SUPRA MINI-MESH HIGH EFFICIENCY OVERSPRAY COLLECTORS		
High-Solids Bake Enamel	98.5-99.5%	9.40 @ .20" W.C.
Waterborne Bake Enamel	97.5-99.0%	7.80 @ .50" W.C.
(Tests conducted using one layer of filter media only)		
TYPE 480 OVERSPRAY COLLECTORS		
Lacquer	82.0-85.0%	0.80-1.20
Stain	85.0-90.0%	1.00-1.50
Sealer	85.0-90.0%	1.20-1.50
(Tests conducted using one layer of filter media only)		

The only noticeable differences when using the Mini-Mesh constructions should be a holding capacity toward the lower edge of the ranges given while the efficiencies will be toward the higher edge of the ranges given.

NOTE: Tests were conducted using a modified ASHRAE STANDARD 52-76 test apparatus and procedures. Test media size consisted of 20" x 20" pads held in a frame/grid module just as it would be used in the field. Overspray was 100% from an air atomizing gun with the air velocity of 150 fpm.

*These results were gained using Standard and High-Capacity collectors in tandem. Only the front pad is loaded and requires changing each time.

SECTION C

Attachment 11c
Murphy Rogers Dust Collector

5.0 DESCRIPTION OF CONTROL EQUIPMENT

A fabric filter dust collector will be employed to control PM emissions generated by the equipment (saws, sanders, grinders, etc.) used to cut and shape the various raw materials.

Design specifications of the Murphy-Rogers, Model No. MRA 19-290H, baghouse are summarized in the following table:

Parameter	Value
Bag Fabric Type	9-11 ounce non-woven shaker felt
Bag Dimensions	6 in diameter by 80 in length
Number of Bags	100
Bag Area	1,048 ft^2
Air-to-Cloth Ratio	9.2:1
Overall Dimensions	7 ft by 7 ft by 16 ft
Fan Rating	30 HP

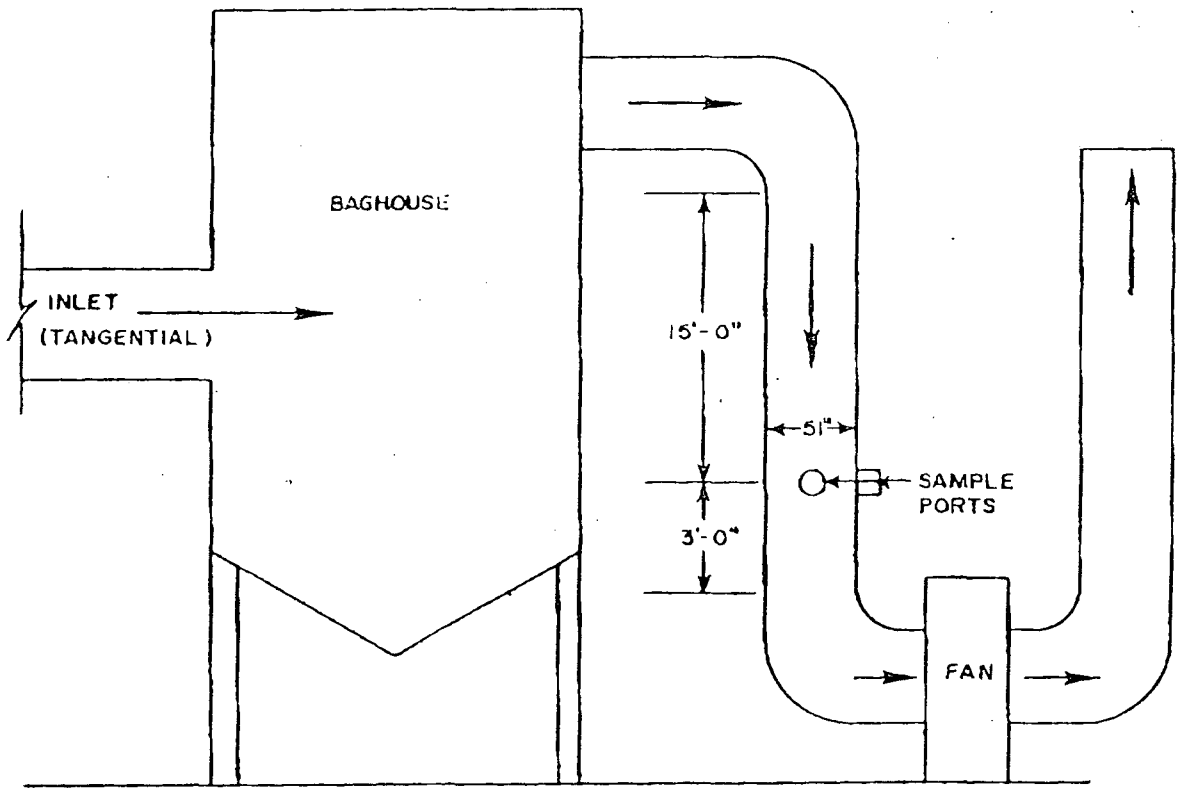
Note: in = inches
ft^2 = square feet
ft = feet
HP = horsepower

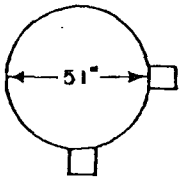
Control efficiencies for various inlet particle size distributions are indicated in Section J, Page 5 of 12, of the FDER Application to Operate/Construct Air Pollution Sources provided in Section 3.0.

SECTION C

Attachment 12
Stack Sampling Facility Description

Pneumafil





TRAVERSE POINT NUMBER	INCHES INSIDE STACK WALL
1	1.1
2	3.4
3	6.0
4	9.0
5	12.8
6	18.1
7	32.9
8	38.3
9	42.0
10	45.0
11	47.6
12	49.9

FIGURE 1.
SAMPLING POINT LOCATION
BAGHOUSE OUTLET
MARK III INDUSTRIES
OCALA, FLORIDA

RUST ENVIRONMENT & INFRASTRUCTURE