Owner/Authorized Representative or Responsible Official

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

Name : Joseph LeBas
Title : Vice President of Operations

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

Organization/Firm : PRIDE Enterprises
Street Address : 12425 28th Street North
City : St Petersburg
State : FL Zip Code : 33716-1826

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

Telephone : (813)572-1987 Fax : (813)570-3449

4. Owner/Authorized Representative or Responsible Official Statement :

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

J. LeBas 5/4/98

Signature Date

* Attach letter of authorization if not currently on file.

Scope of Application

Emissions Unit ID	Description of Emissions Unit	Permit Type
01	Wood furniture surface coating operation.	af2c
02	Propane Fired Heat Tunnel for Drying Lacquered Furniture	af2c

Purpose of Application and Category

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

This Application for Air Permit is submitted to obtain :

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

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

Current construction permit number :

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

Operation permit to be renewed :

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

Current construction permit number :

Operation permit to be revised :

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

Operation permit to be revised/corrected :

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

modification of an emissions unit.

Operation permit to be revised :

Reason for revision :

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

This Application for Air Permit is submitted to obtain :

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

Current operation/construction permit number(s) :

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

Operation permit to be renewed :

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

Operation permit to be revised :
AO53-263746

Reason for revision :
Convert Operating permit to FESOP

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

This Application for Air Permit is submitted to obtain :

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

Current operation permit number(s), if any :

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

Current operation permit number(s) :

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

Application Processing Fee

Check one :

[X] Attached - Amount : $750.00 [ ] Not Applicable.

Construction/Modification Information

1. Description of Proposed Project or Alterations : Convert existing operating permit to FESOP
2. Projected or Actual Date of Commencement of Construction :
3. Projected Date of Completion of Construction :

Professional Engineer Certification

1. Professional Engineer Name : Douglas R. Ashline, Jr. Registration Number : 43853
2. Professional Engineer Mailing Address : Organization/Firm : Environmental Sciences Group, Inc. Street Address : P.O. Box 7495 City : Tampa State : FL Zip Code : 33673-7495
3. Professional Engineer Telephone Numbers : Telephone : (813)930-9074 Fax : (813)935-1167

4. Professional Engineer Statement :

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

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

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

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

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

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

Signature

5/3/98
Date

* Attach any exception to certification statement.

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

Application Contact

1. Name and Title of Application Contact :

Name : Timothy M. O'Dell
Title : Environmental Scientist

2. Application Contact Mailing Address :

Organization/Firm : Environmental Sciences Group, Inc.
Street Address : P.O. Box 7495
City : Tampa
State : FL Zip Code : 33673-7495

3. Application Contact Telephone Numbers :

Telephone : (813)930-9074 Fax : (813)935-1167

Application Comment

Application includes seven spray booths, one area for rework and a propane fired heat tunnel for drying lacquered furniture. The heat tunnel replaces the radiant make-up dryer previously addressed in current operating permit. The current operating permit only includes six spray booths. A seventh booth designated as H was installed in the lacquer finishing area.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility, Location, and Type

1. Facility UTM Coordinates :
   Zone : 17 East (km) : 381.40 North (km) : 3166.20

2. Facility Latitude/Longitude :
   Latitude (DD/MM/SS) : 28 37 7 Longitude (DD/MM/SS) : 82 12 45

3. Governmental Facility Code :	4. Facility Status Code :	5. Facility Major Group SIC Code :	6. Facility SIC(s) :
0	A	25	

7. Facility Comment :

The facility manufactures and finishes wood furniture using wood stains, sealer and lacquer. Finishing takes place in seven Binks spray booths designated as A,B,C,D, E, F and H. The spray booths are equipped with Andreae overspray filters with an estimated collection efficiency of 99.6%.

Facility Contact

1. Name and Title of Facility Contact :
   Jeff Grill
   Engineer

2. Facility Contact Mailing Address :
   Organization/Firm : PRIDE Enterprises
   Street Address : 12425 28th Street North
   City : St. Petersburg State : FL Zip Code : 33716-1826

3. Facility Contact Telephone Numbers :
   Telephone : (813)572-1987 Fax : (813)570-3449

Facility Regulatory Classifications

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

B. FACILITY REGULATIONS

Rule Applicability Analysis

This facility would be subject to the requirements of 62-213 F.A.C. for a Major Air Pollution (Title V) source for HAP's by virtue of potentially having emissions of a single HAP of greater than 10 Tons/yr. This facility is requesting Synthetic non-Title V status by having an HAP limitation of < 10 tons/year for any single HAP as established in a FESOP.

B. FACILITY REGULATIONS

List of Applicable Regulations

62-296

62-4

62-210

C. FACILITY POLLUTANTS

Facility Pollutant Information

1. Pollutant Emitted	2. Pollutant Classification
VOC	SM
H169	SM
H186	SM
H115	SM
H096	SM
H095	SM

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 1

1. Pollutant Emitted :	VOC
2. Requested Emissions Cap :	(lbs/hour) 23.0400 (tons/year)
3. Basis for Emissions Cap Code :	ESCTV
4. Facility Pollutant Comment :	This will keep the currently permitted VOC limit.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 2

1. Pollutant Emitted :	H169
2. Requested Emissions Cap :	(lbs/hour) 5.0000 (tons/year)
3. Basis for Emissions Cap Code :	OTHER
4. Facility Pollutant Comment :	Requesting a 5 ton/yr HAP limit to relax recordkeeping.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 3

1. Pollutant Emitted :	H186
2. Requested Emissions Cap :	(lbs/hour) 5.0000 (tons/year)
3. Basis for Emissions Cap Code :	OTHER
4. Facility Pollutant Comment :	Requesting a 5 ton/yr HAP limit to relax recordkeeping.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 4

1. Pollutant Emitted :	H115
2. Requested Emissions Cap :	(lbs/hour) 5.0000 (tons/year)
3. Basis for Emissions Cap Code :	OTHER
4. Facility Pollutant Comment :	Requesting a 5 ton/yr HAP limit to relax recordkeeping.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 5

1. Pollutant Emitted :	H096
2. Requested Emissions Cap :	(lbs/hour) 5.0000 (tons/year)
3. Basis for Emissions Cap Code :	OTHER
4. Facility Pollutant Comment :	Requesting a 5 ton/yr HAP limit to relax recordkeeping.

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information Pollutant 6

1. Pollutant Emitted :	H095
2. Requested Emissions Cap :	(lbs/hour) 5.0000 (tons/year)
3. Basis for Emissions Cap Code :	OTHER
4. Facility Pollutant Comment :	Requesting a 5 ton/yr HAP limit to relax recordkeeping.

D. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements for All Applications

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

Additional Supplemental Requirements for Category I Applications Only

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

III. EMISSIONS UNIT INFORMATION

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

Emissions Unit Information Section 1

Wood furniture surface coating operation.

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.

III. EMISSIONS UNIT INFORMATION

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

Emissions Unit Information Section 2

Propane Fired Heat Tunnel for Drying Lacquered Furniture

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).

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

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

Emissions Unit Information Section 1

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

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section : Wood furniture surface coating operation.		
2. Emissions Unit Identification Number : 01 [ ] No Corresponding ID [ ] Unknown		
3. Emissions Unit Status Code : A	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code : 25
6. Emissions Unit Comment :		

Emissions Unit Information Section 2

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

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section : Propane Fired Heat Tunnel for Drying Lacquered Furniture		
2. Emissions Unit Identification Number : 02 [ ] No Corresponding ID [ ] Unknown		
3. Emissions Unit Status Code : A	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code : 25
6. Emissions Unit Comment :		

Emissions Unit Information Section 2
Propane Fired Heat Tunnel for Drying Lacquered Furniture

Emissions Unit Control Equipment 1

1. Description : A heated tunnel fired by propane for the purposes of drying lacquer based finishes on wood furniture.
2. Control Device or Method Code :

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

Emissions Unit Information Section 1
Wood furniture surface coating operation.

Emissions Unit Details

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

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate :	mmBtu/hr	
2. Maximum Incinerator Rate :	lb/hr	tons/day
3. Maximum Process or Throughput Rate :		
4. Maximum Production Rate : 23	tons/yr	
5. Operating Capacity Comment :		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule :	
16 hours/day	6 days/week
52 weeks/year	4,992 hours/year

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

Emissions Unit Information Section 2
Propane Fired Heat Tunnel for Drying Lacquered Furniture

Emissions Unit Details

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

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate :	1	mmBtu/hr	
2. Maximum Incinerator Rate :		lb/hr	tons/day
3. Maximum Process or Throughput Rate :	10		gallons/hr
4. Maximum Production Rate :			
5. Operating Capacity Comment :			

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule :	
16 hours/day	6 days/week
52 weeks/year	4,992 hours/year

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

Emissions Unit Information Section 1
Wood furniture surface coating operation.

Rule Applicability Analysis

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

Emissions Unit Information Section 2
Propane Fired Heat Tunnel for Drying Lacquered Furniture

Rule Applicability Analysis

This source probably falls under the General Limiting Standard 62-296. Based on its size, <0.9 mmBTU/hr. PRIDE requests listing this source as an insignificant source.

Emissions Unit Information Section 1
Wood furniture surface coating operation.

List of Applicable Regulations

62-4

62-210

62-296

List of Applicable Regulations

62-296

E. EMISSION POINT (STACK/VENT) INFORMATION

Emissions Unit Information Section 1

Wood furniture surface coating operation.

Emission Point Description and Type :

1. Identification of Point on Plot Plan or Flow Diagram :		
2. Emission Point Type Code :	3	
3. Descriptions of Emission Points Comprising this Emissions Unit : A through F and H.		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common : Spray Booth A through F and H have two identical emission points each. Identified as 1 and 2. ACFM is the same for both points. For example Spray Booth A has A-1 and A-2 stacks.		
5. Discharge Type Code :	V	
6. Stack Height :	20	feet
7. Exit Diameter :	2.00	feet
8. Exit Temperature :	77	°F
9. Actual Volumetric Flow Rate :	10,040	acfm
10. Percent Water Vapor :	3.00	%
11. Maximum Dry Standard Flow Rate :	9,250	dscfm
12. Nonstack Emission Point Height :		feet
13. Emission Point UTM Coordinates : Zone : 17 East (km) : 381.400 North (km) : 3,166.200		
14. Emission Point Comment : Two identical stacks control Spraybooth A. See Appendix E for layout.		

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Wood furniture surface coating operation.

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :

   Wood Furniture surface coating

2. Source Classification Code (SCC) : 4-02-019-01

3. SCC Units : Tons Used

4. Maximum Hourly Rate : 0.01

5. Maximum Annual Rate : 23.04

6. Estimated Annual Activity Factor :

7. Maximum Percent Sulfur :

8. Maximum Percent Ash :

9. Million Btu per SCC Unit :

10. Segment Comment :

F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Propane Fired Heat Tunnel for Drying Lacquered Furniture

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :

   Propane fired heat tunnel for drying lacquer coatings on wood furniture.

2. Source Classification Code (SCC) : 1-05-001-10

3. SCC Units : Thousand Gallons Burned (all liquid fuels)

4. Maximum Hourly Rate : 0.01

5. Maximum Annual Rate :

6. Estimated Annual Activity Factor :

7. Maximum Percent Sulfur :

8. Maximum Percent Ash :

9. Million Btu per SCC Unit : 92

10. Segment Comment :

    Heat tunnel uses approximately 10 gallons of propane per hour. Sulfur content is max specification of 120 ppm. Normal propane has approximately 40 ppm Sulfur.

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

Emissions Unit Information Section 1
Wood furniture surface coating operation.

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
1 - VOC			
2 - H169			
3 - H186			
4 - H115			
5 - H096			
6 - H095			

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

Emissions Unit Information Section 2
Propane Fired Heat Tunnel for Drying Lacquered Furniture

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
1 - VOC			
2 - PM			
3 - CO			
4 - SO2			
5 - NOX			

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

Emissions Unit Information Section 1
Wood furniture surface coating operation.

Pollutant Potential/Estimated Emissions : Pollutant 1

1. Pollutant Emitted :	**VOC**
2. Total Percent Efficiency of Control :	0.00 %
3. Potential Emissions :	lb/hour 97.04 tons/year
4. Synthetically Limited?	[X] Yes [ ] No
5. Range of Estimated Fugitive/Other Emissions:	1 to tons/year
6. Emissions Factor :	Reference : mass balance
7. Emissions Method Code :	2
8. Calculations of Emissions :	See Appendix D.
9. Pollutant Potential/Estimated Emissions Comment :	See Appendix D.

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

Emissions Unit Information Section 1
Wood furniture surface coating operation.

Pollutant Potential/Estimated Emissions : Pollutant 2

1. Pollutant Emitted : **H169**
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : lb/hour 1.15 tons/year
4. Synthetically Limited? [X] Yes [ ] No
5. Range of Estimated Fugitive/Other Emissions: 4 0.10 to 1.00 tons/year
6. Emissions Factor : Reference : mass balance
7. Emissions Method Code : 2
8. Calculations of Emissions : See Appendix D.
9. Pollutant Potential/Estimated Emissions Comment : See Appendix D.

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

Emissions Unit Information Section 1
Wood furniture surface coating operation.

Pollutant Potential/Estimated Emissions : Pollutant 3

1. Pollutant Emitted : **H186**	
2. Total Percent Efficiency of Control : 0.00 %	
3. Potential Emissions : lb/hour 0.80 tons/year	
4. Synthetically Limited? [X] Yes [ ] No	
5. Range of Estimated Fugitive/Other Emissions: 4 0.10 to 1.00 tons/year	
6. Emissions Factor : Reference : mass balance	
7. Emissions Method Code : 2	
8. Calculations of Emissions : See Appendix D.	
9. Pollutant Potential/Estimated Emissions Comment : See Appendix D.	

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

Emissions Unit Information Section 1
Wood furniture surface coating operation.

Pollutant Potential/Estimated Emissions : Pollutant 4

1. Pollutant Emitted : **H115**
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : lb/hour 0.22 tons/year
4. Synthetically Limited? [X] Yes [ ] No
5. Range of Estimated Fugitive/Other Emissions: 4 0.10 to 1.00 tons/year
6. Emissions Factor : Reference : mass balance
7. Emissions Method Code : 2
8. Calculations of Emissions : See Appendix D.
9. Pollutant Potential/Estimated Emissions Comment : See Appendix D.

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

Emissions Unit Information Section 1
Wood furniture surface coating operation.

Pollutant Potential/Estimated Emissions : Pollutant 5

1. Pollutant Emitted : **H096**	
2. Total Percent Efficiency of Control : 0.00 %	
3. Potential Emissions : lb/hour 1.40 tons/year	
4. Synthetically Limited? [X] Yes [ ] No	
5. Range of Estimated Fugitive/Other Emissions: 4 0.10 to 1.00 tons/year	
6. Emissions Factor : Reference : mass balance	
7. Emissions Method Code : 2	
8. Calculations of Emissions : See Appendix D.	
9. Pollutant Potential/Estimated Emissions Comment : See Appendix D.	

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

Emissions Unit Information Section 1
Wood furniture surface coating operation.

Pollutant Potential/Estimated Emissions : Pollutant 6

1. Pollutant Emitted : **H095**	
2. Total Percent Efficiency of Control : 0.00 %	
3. Potential Emissions : lb/hour 0.13 tons/year	
4. Synthetically Limited? [X] Yes [ ] No	
5. Range of Estimated Fugitive/Other Emissions: 4 0.10 to 1.00 tons/year	
6. Emissions Factor : Reference : mass balance	
7. Emissions Method Code : 2	
8. Calculations of Emissions : See Appendix D.	
9. Pollutant Potential/Estimated Emissions Comment : See Appendix D.	

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

Emissions Unit Information Section 2
Propane Fired Heat Tunnel for Drying Lacquered Furniture

Pollutant Potential/Estimated Emissions : Pollutant 1

1. Pollutant Emitted :	**VOC**
2. Total Percent Efficiency of Control :	0.00 %
3. Potential Emissions :	lb/hour 0.02 tons/year
4. Synthetically Limited?	[ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions:	4 0.01 to 0.10 tons/year
6. Emissions Factor :	Reference : AP-42
7. Emissions Method Code :	4
8. Calculations of Emissions :	See Appendix F.
9. Pollutant Potential/Estimated Emissions Comment :	See Appendix F.

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

Emissions Unit Information Section 2
Propane Fired Heat Tunnel for Drying Lacquered Furniture

Pollutant Potential/Estimated Emissions : Pollutant 2

1. Pollutant Emitted : **PM**
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : lb/hour 0.02 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 4 0.01 to 0.10 tons/year
6. Emissions Factor : Reference : AP-42
7. Emissions Method Code : 4
8. Calculations of Emissions : See Appendix F.
9. Pollutant Potential/Estimated Emissions Comment : See Appendix F.

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

Emissions Unit Information Section 2
Propane Fired Heat Tunnel for Drying Lacquered Furniture

Pollutant Potential/Estimated Emissions : Pollutant 3

1. Pollutant Emitted : **CO**	
2. Total Percent Efficiency of Control : 0.00 %	
3. Potential Emissions : lb/hour 0.06 tons/year	
4. Synthetically Limited? [ ] Yes [X] No	
5. Range of Estimated Fugitive/Other Emissions: 4 0.01 to 0.10 tons/year	
6. Emissions Factor : Reference : AP-42	
7. Emissions Method Code : 4	
8. Calculations of Emissions : See Appendix F.	
9. Pollutant Potential/Estimated Emissions Comment : See Appendix F.	

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

Emissions Unit Information Section 2
Propane Fired Heat Tunnel for Drying Lacquered Furniture

Pollutant Potential/Estimated Emissions : Pollutant 4

1. Pollutant Emitted : **SO2**
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : lb/hour 0.18 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 4 0.01 to 0.10 tons/year
6. Emissions Factor : Reference : AP-42
7. Emissions Method Code : 4
8. Calculations of Emissions : See Appendix F.
9. Pollutant Potential/Estimated Emissions Comment : See Appendix F.

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

Emissions Unit Information Section 2
Propane Fired Heat Tunnel for Drying Lacquered Furniture

Pollutant Potential/Estimated Emissions : Pollutant 5

1. Pollutant Emitted : **NOX**
2. Total Percent Efficiency of Control : 0.00 %
3. Potential Emissions : lb/hour 0.51 tons/year
4. Synthetically Limited? [ ] Yes [X] No
5. Range of Estimated Fugitive/Other Emissions: 4 0.01 to 0.10 tons/year
6. Emissions Factor : Reference : AP-42
7. Emissions Method Code : 4
8. Calculations of Emissions : See Appendix F.
9. Pollutant Potential/Estimated Emissions Comment : See Appendix F.

Emissions Unit Information Section 1
Wood furniture surface coating operation.

Pollutant Information Section 1

Allowable Emissions 1

1. Basis for Allowable Emissions Code :	OTHER	
2. Future Effective Date of Allowable Emissions :		
3. Requested Allowable Emissions and Units :	23.04	tons/yr
4. Equivalent Allowable Emissions :	lb/hour	tons/year
5. Method of Compliance : Recordkeeping		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) : Requested to maintain current permitted limit for VOC in operating permit.		

Emissions Unit Information Section 1
Wood furniture surface coating operation.

Pollutant Information Section 2

Allowable Emissions 1

1. Basis for Allowable Emissions Code :	OTHER	
2. Future Effective Date of Allowable Emissions :		
3. Requested Allowable Emissions and Units :	5.00	tons/yr
4. Equivalent Allowable Emissions :	lb/hour	tons/year
5. Method of Compliance : Recordkeeping		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) : Requesting a total HAP limit of 5 tons/yr to relax recordkeeping.		

Emissions Unit Information Section 1
Wood furniture surface coating operation.

Pollutant Information Section 3

Allowable Emissions 1

1. Basis for Allowable Emissions Code :	OTHER	
2. Future Effective Date of Allowable Emissions :		
3. Requested Allowable Emissions and Units :	5.00	tons/yr
4. Equivalent Allowable Emissions :	lb/hour	tons/year
5. Method of Compliance : Recordkeeping		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) : Requesting a total HAP limit of 5 tons/yr to relax recordkeeping.		

Emissions Unit Information Section 1
Wood furniture surface coating operation.

Pollutant Information Section 4

Allowable Emissions 1

1. Basis for Allowable Emissions Code :	OTHER	
2. Future Effective Date of Allowable Emissions :		
3. Requested Allowable Emissions and Units :	5.00	tons/yr
4. Equivalent Allowable Emissions :	lb/hour	tons/year
5. Method of Compliance : Recordkeeping		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) : Requesting a total HAP limit of 5 tons/yr to relax recordkeeping.		

Emissions Unit Information Section 1
Wood furniture surface coating operation.

Pollutant Information Section 5

Allowable Emissions 1

1. Basis for Allowable Emissions Code :	OTHER	
2. Future Effective Date of Allowable Emissions :		
3. Requested Allowable Emissions and Units :	5.00	tons/yr
4. Equivalent Allowable Emissions :	lb/hour	tons/year
5. Method of Compliance : Recordkeeping		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) : Requesting a total HAP limit of 5 tons/yr to relax recordkeeping.		

Emissions Unit Information Section 1
Wood furniture surface coating operation.

Pollutant Information Section 6

Allowable Emissions 1

1. Basis for Allowable Emissions Code :	OTHER
2. Future Effective Date of Allowable Emissions :	
3. Requested Allowable Emissions and Units :	5.00 tons/yr
4. Equivalent Allowable Emissions :	lb/hour tons/year
5. Method of Compliance : Recordkeeping	
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) : Requesting a total HAP limit of 5 tons/yr to relax recordkeeping.	

Emissions Unit Information Section 2
Propane Fired Heat Tunnel for Drying Lacquered Furniture

Pollutant Information Section 5

Allowable Emissions 1

1. Basis for Allowable Emissions Code : OTHER
2. Future Effective Date of Allowable Emissions :
3. Requested Allowable Emissions and Units :
4. Equivalent Allowable Emissions : lb/hour tons/year
5. Method of Compliance :
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) : PRIDE requests this source be clasified as an insignificant source and not regulated by pollutant or operational limits in this permit.

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section _____

Visible Emissions Limitation : Visible Emissions Limitation _____

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

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Information Section _____

Continuous Monitoring System : Continuous Monitor _____

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

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

Emissions Unit Information Section 1

Wood furniture surface coating operation.

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

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

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

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

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

2. Increment Consuming for Nitrogen Dioxide?

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

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

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

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

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

3. Increment Consuming/Expanding Code :

PM :	SO2 :	NO2 :

4. Baseline Emissions :

PM :	lb/hour	tons/year
SO2 :	lb/hour	tons/year
NO2 :		tons/year

5. PSD Comment :

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

Emissions Unit Information Section 2

Propane Fired Heat Tunnel for Drying Lacquered Furniture

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

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

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

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

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

2. Increment Consuming for Nitrogen Dioxide?

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

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

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

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

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

3. Increment Consuming/Expanding Code :

PM :	SO2 :	NO2 :

4. Baseline Emissions :

PM :	lb/hour	tons/year
SO2 :	lb/hour	tons/year
NO2 :		tons/year

5. PSD Comment :

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit Information Section 1

Wood furniture surface coating operation.

Supplemental Requirements for All Applications

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

Additional Supplemental Requirements for Category I Applications Only

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

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

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

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

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit Information Section 2

Propane Fired Heat Tunnel for Drying Lacquered Furniture

Supplemental Requirements for All Applications

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

Additional Supplemental Requirements for Category I Applications Only

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

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

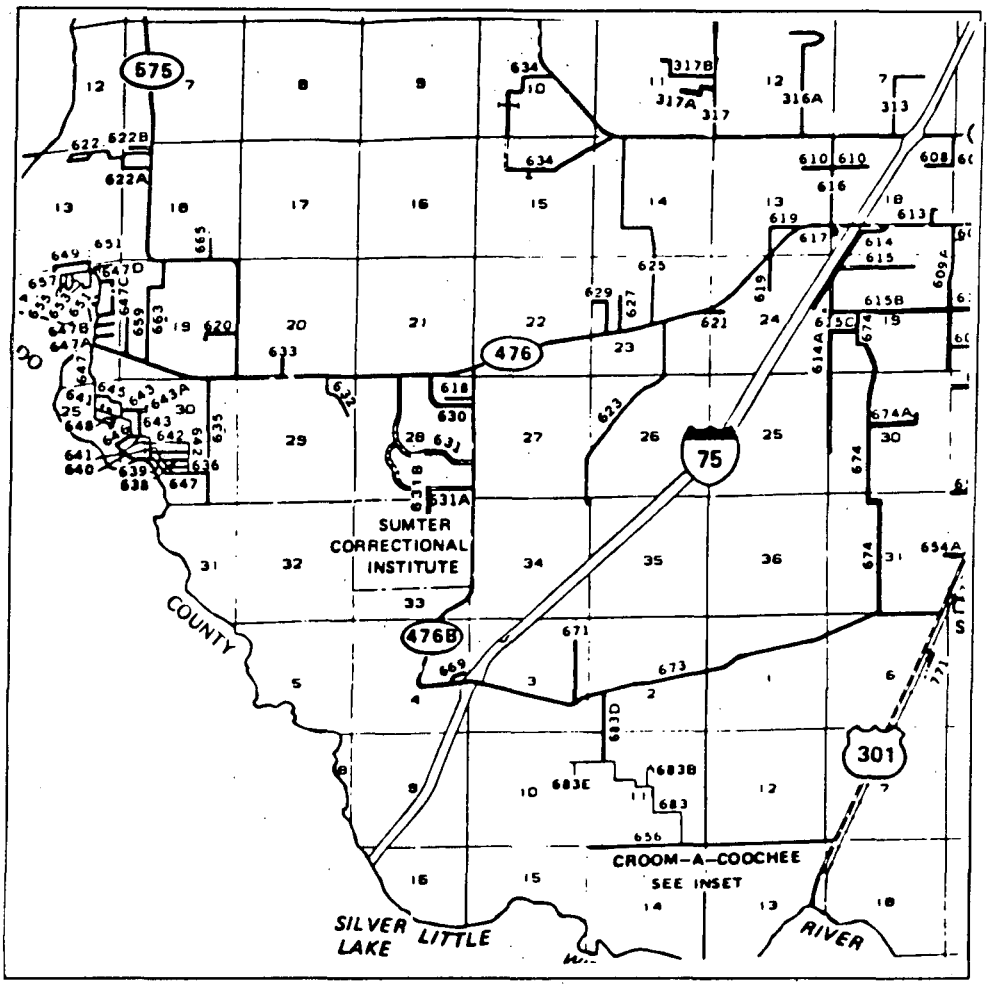
14. Acid Rain Application (Hard-copy Required) :

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

APPENDIX A
AREA MAPS

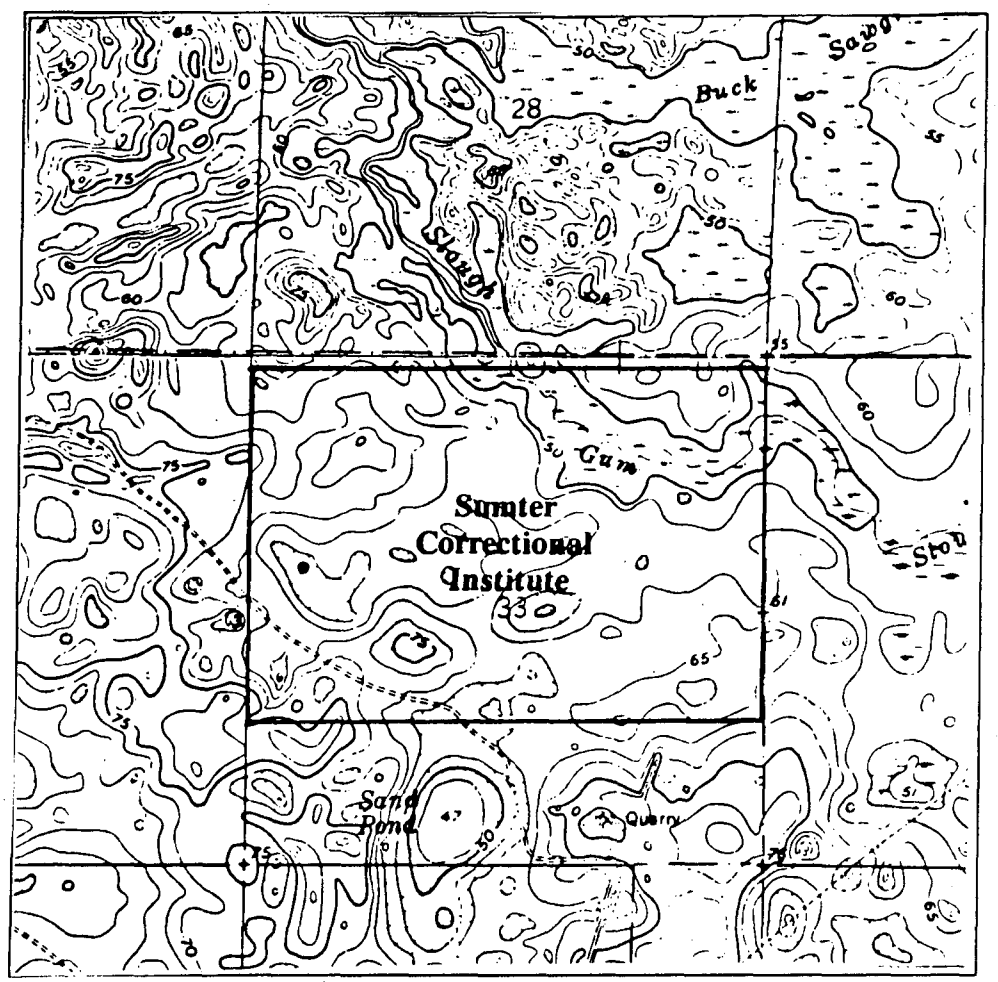
Environmental
Sciences
Group

VICINITY MAP



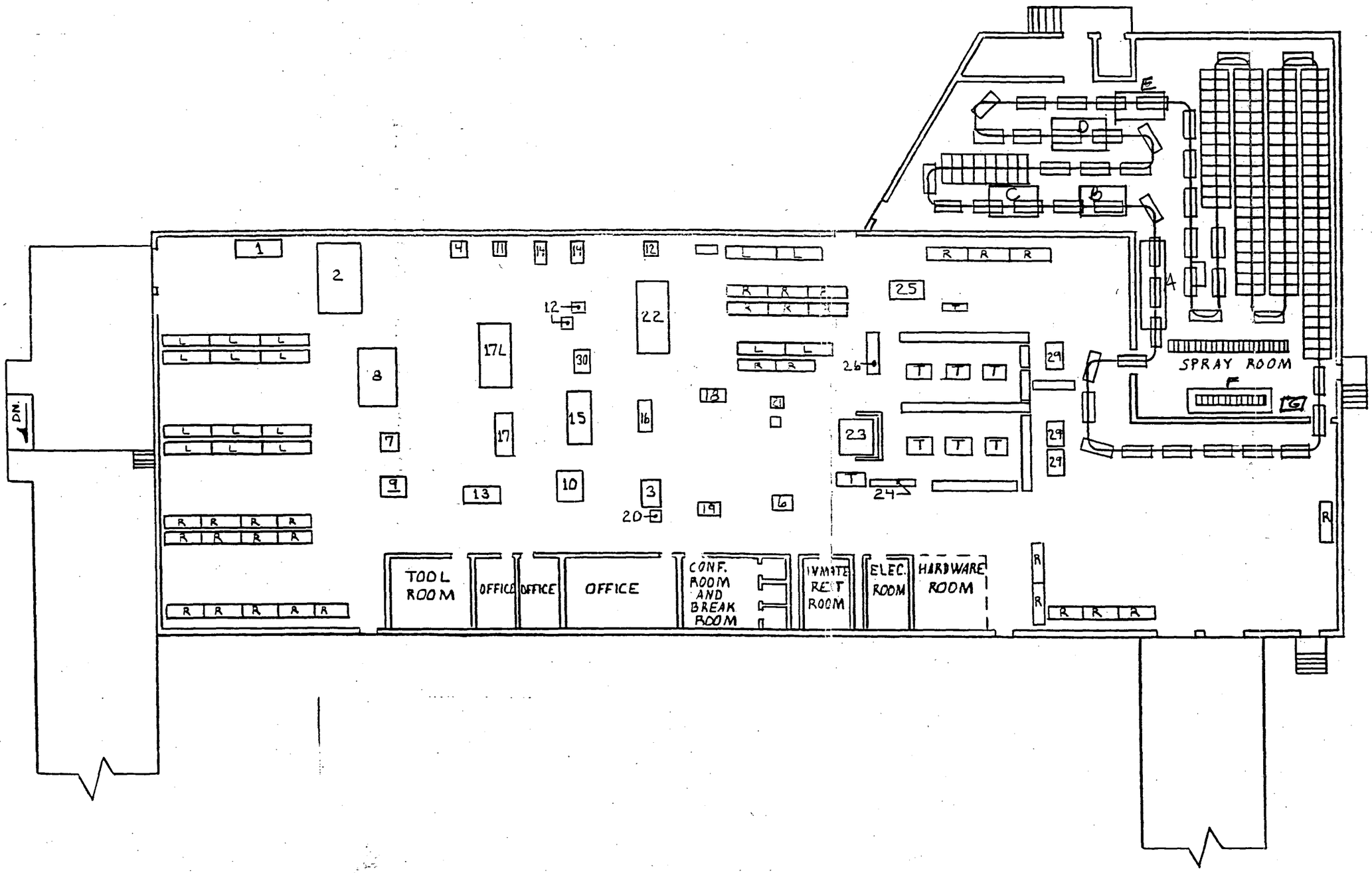
Environmental
Sciences
Group

TOPOGRAPHIC MAP



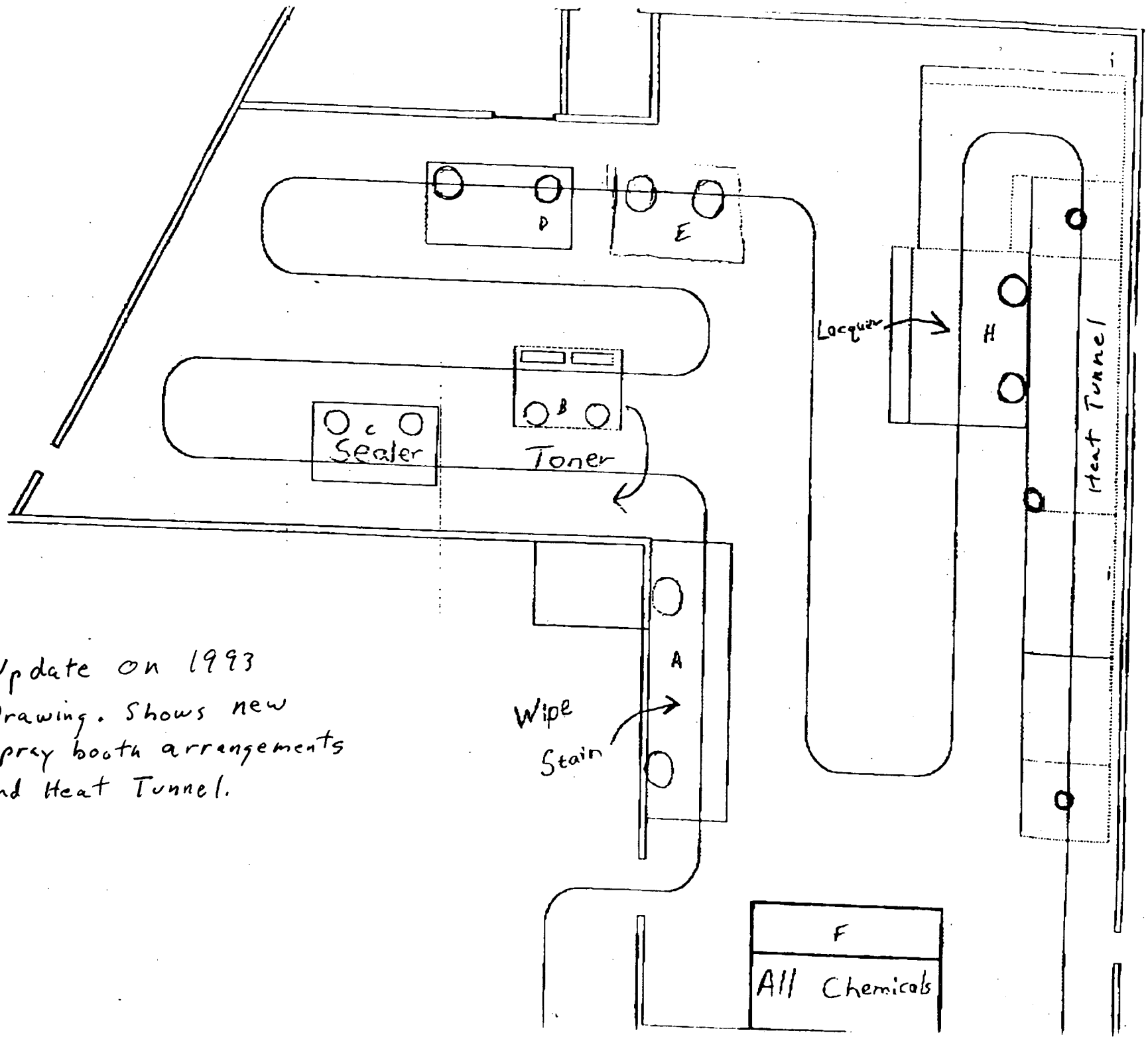
Please Note: The latest topographic map is 1958 and does not include Sumter Correctional Institute or Interstate 75.

APPENDIX B
FACILITY PLOT PLAN



DATE: 3-10-93

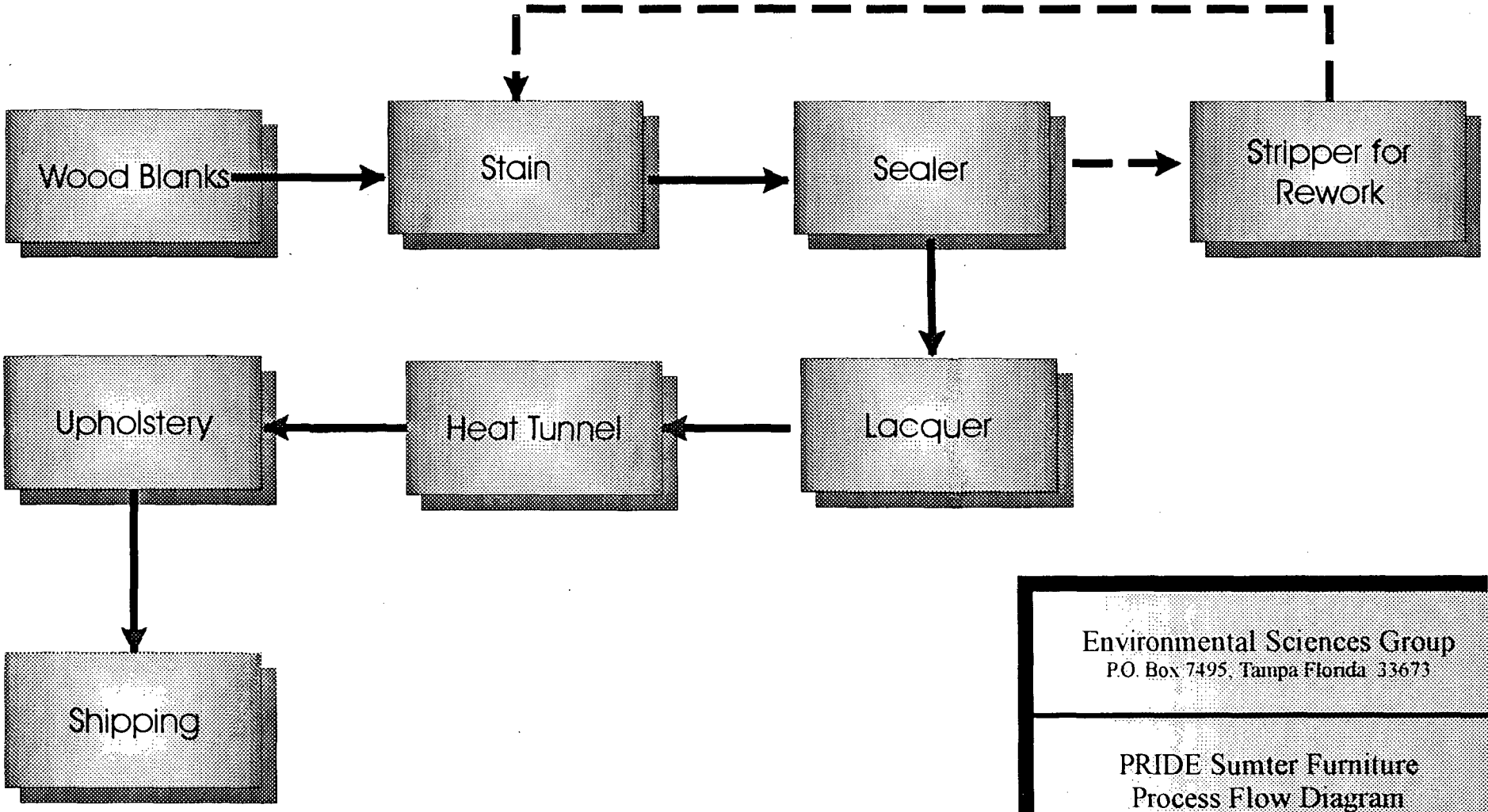
DRAWN BY: JAKE G. HERSEY



Update on 1993
Drawing. Shows new
spray booth arrangements
and Heat Tunnel.

APPENDIX C
PROCESS FLOW DIAGRAM

PRIDE SUMTER FURNITURE



APPENDIX D
COATING OPERATION
SUPPORTING CALCULATIONS

APPENDIX D

VOC Calculations
Actual Emissions

Wood Finishing Operation

Sealer

VOC Content = 5.59 lb VOC/gal
Usage in 1997 = 927 gal

(927 gal/yr)(5.59 lb VOC/gal) = 5,181.93 lb/yr
(5,181.93 lb/yr)(1 T / 2000 lb) = 2.59 T/yr

Stains

VOC Content = 5.63 lb VOC /gal
1997 Usage of Stains = 1,030 gal

(1,030 gal/yr)(5.63 lb VOC/gal) = 5,798.9 lb/yr
(5,798.9 lb/yr)(1 T / 2000 lb) = 2.90 T/yr

Calculations based on stain used most often at facility.

Lacquer

VOC Content = 5.45 lb VOC /gal
Usage in 1997 = 1,763 gal

(1,763 gal/yr)(5.45 lb VOC /gal) = 9,608.35 lb/yr
(9,608.35 lb/yr)(1 T / 2000 lb) = 4.80 T/yr

Thinner

VOC Content = 6.58 lb VOC/gal
Usage in 1997 = 515 gal

(515 gal/yr)(6.58 lb VOC/gal) = 3,388.7 lb/yr
(3,388.7 lb/yr)(1 T / 2000 lb) = 1.69 T/yr

Stripper

VOC Content = 6.35 lb VOC/ gal
Usage in 1997 = 10 gal

(10 gal/yr)(6.35 lb VOC/gal) = 63.5 lb/yr
(63.5 lb/yr)(1 T / 2000 lb) = 0.03 T/yr

Cleaning Solvent (Butyl Cellosolve)

VOC Content = 7.49 lb VOC /gal
Usage in 1997 = 70 gal

(70 gal/yr)(7.49 lb VOC/gal) = 524.3 lb/yr
(524.3 lb/yr)(1 T / 2000 lb) = 0.26 T/yr

Total VOC = Sealer + Stains + Lacquer + Thinner + Stripper + Butyl Cellosolve
= 2.59 T/yr + 2.90 T/yr + 4.80 T/yr + 1.69 T/yr + 0.03 T/yr + 0.26 T/yr

= **12.27 T/yr**

HAP Calculations
Actual Emissions

Wood Finishing Operation

Sealer

HAP's in Material

Toluene	=	2 % by weight
Xylene	=	4 % by weight
Formaldehyde	=	0.4 % by weight
Density	=	7.40 lb/gal
Usage in 1997	=	927 gal

Toluene

(927 gal/yr)(7.40 lb/gal)(0.02)	=	137.20 lb/yr
(137.20 lb/yr)(1 T / 2000 lb)	=	0.07 T/yr

Xylene

(927 gal/yr)(7.40 lb/gal)(0.04)	=	274.39 lb/yr
(274.39 lb/yr)(1 T / 2000 lb)	=	0.14 T/yr

Formaldehyde

(927 gal/yr)(7.40 lb/gal)(0.004)	=	27.44 lb/yr
(27.44 lb/yr)(1 T / 2000 lb)	=	0.014 T/yr

Total HAP from Sealer	=	Toluene + Xylene + Formaldehyde
	=	0.07 + 0.14 + 0.014
	=	0.22 Tons/yr

Stains

The majority of stains used do not contain any HAP's. One or two stains used infrequently do contain toluene. The cordovan stain by Sherwin Williams does contain 11% toluene. For the purposes of these calculations, the total stain usage of 1,030 gallons will use the cordovan stain. This will represent a worse case scenario since this stain is rarely, if ever used.

HAP's in Material
Toluene = 11 % by weight

Density = 7.07 lb/gal
Usage in 1997* = 1,030 gal

Toluene
(1,030 gal/yr)(7.07 lb/gal)(0.11) = 801.03 lb/yr
(801.03 lb/yr)(1 T / 2000 lb) = 0.40 T/yr

Total HAP from Stain = Toluene
= 0.40 Tons/yr

Lacquer

HAP's in Material
Toluene = 4 % by weight
Formaldehyde = 0.4 % by weight
Density = 7.63 lb/gal
Usage in 1997 = 1,763 gal

Toluene
(1,763 gal/yr)(7.63 lb/gal)(0.04) = 538.07 lb/yr
(538.07 lb/yr)(1 T / 2000 lb) = 0.27 T/yr

Formaldehyde
(1,763 gal/yr)(7.63 lb/gal)(0.003) = 40.36 lb/yr
(40.36 lb/yr)(1 T / 2000 lb) = 0.02 T/yr

Total HAP from Lacquer = Toluene + Formaldehyde
= 0.27 + 0.02
= 0.29 Tons/yr

Thinner

HAP's in Material

Toluene	=	13 % by weight
Xylene	=	5 % by weight
Methanol	=	3 % by weight
Glycol Ethers	=	4 % by weight

Density	=	6.58 lb/gal
Usage in 1997	=	515 gal

Toluene

(515 gal/yr)(6.58 lb/gal)(0.13)	=	440.53 lb/yr
(440.53 lb/yr)(1 T / 2000 lb)	=	0.22 T/yr

Xylene

(515 gal/yr)(6.58 lb/gal)(0.05)	=	169.44 lb/yr
(169.44 lb/yr)(1 T / 2000 lb)	=	0.08 T/yr

Methanol

(515 gal/yr)(6.58 lb/gal)(0.03)	=	101.66 lb/yr
(101.66 lb/yr)(1 T / 2000 lb)	=	0.05 T/yr

Glycol Ethers

(515 gal/yr)(6.58 lb/gal)(0.04)	=	135.55 lb/yr
(135.55 lb/yr)(1 T / 2000 lb)	=	0.07 T/yr

Total HAP from Thinner	=	Toluene + Xylene + Methanol + Glycol Ethers
	=	0.22 + 0.08 + 0.05 + 0.07
	=	0.42 Tons/yr

Stripper

NO HAP's in STRIPPER

Cleaning Solvent (Butyl Cellosolve)

HAP's in Material
Glycol Ethers = 100 % by weight

Density = 7.49 lb/gal
Usage in 1997 = 70 gal

Glycol Ethers
(70 gal/yr)(7.49 lb/gal)(1) = 524.30 lb/yr
(524.30 lb/yr)(1 T / 2000 lb) = 0.26 T/yr

Total HAP from Butyl Cellosolve = Glycol Ethers
= 0.26 Tons/yr

Total HAP = Sealer + Stains + Lacquer + Thinner + Stripper + Butyl Cellosolve

= 0.22 T/yr + 0.40 T/yr + 0.29 T/yr + 0.42 T/yr + 0 T/yr + 0.26 T/yr

= **1.59 T/yr**

VOC Calculations
Potential Emissions

Total VOC Emissions in 1997	=	12.27 Tons/yr
Hours of Operation	=	2,080 hr/yr

Therefore:

(12.27 Ton/yr)(2000 lb/Ton) = 24,540 lb/yr

Therefore:

(24,540 lb VOC /yr) / (2,080 hours /yr) = 11.80 lb VOC/hr

Therefore:

E_{pot} = (11.80 lb VOC/hr) (8,760 hr/yr)
= 103,368 lb VOC/yr
= 51.68 T/yr

Since the facility is currently a permitted for 23.04 T/yr of VOC the following potential calculations are realized.

(23.04 Ton/yr)(2000 lb/Ton) = 46,080 lb/yr

Therefore:

(46,080 lb VOC /yr) / (2,080 hours /yr) = 22.15 lb VOC/hr

Therefore:

E_{pot} = (22.15 lb VOC/hr) (8,760 hr/yr)
= 194,068 lb VOC/yr
= 97.03 T/yr

HAP Calculations
Potential Emissions

Total HAP Emissions in 1997 = 1.59 Tons/yr
Hours of Operation = 2,080 hr/yr

Therefore:

(1.59 Ton/yr)(2000 lb/Ton) = 3,180 lb/yr

Therefore:

(3,180 lb VOC /yr) / (2,080 hours /yr) = 1.53 lb VOC/hr

Therefore:

E_{pot} = (1.53 lb HAP/hr) (8,760 hr/yr)
= 13,403 lb HAP/yr
= 6.70 T/yr

PRIDE is currently requesting 4,992 hr/yr of operation. The following potential emissions are realized with the synthetically limited hours.

E_{pot} = (1.53 lb HAP/hr) (4,992 hr/yr)
= 7,637.8 lb HAP/yr
= 3.82 T/yr

Since the facility is currently a permitted for 23.04 T/yr of VOC, PRIDE requests that the VOC limit remain in effect and that the facility be limited in HAP emissions to < 5 tons/yr. Keeping track of total HAP should relax record keeping for the facility.

APPENDIX E
VENTILATION INFORMATION

PRIDE SUMTER FURNITURE
Vent Descriptions

Vent #	Height (above ground)	Stack Diameter, ft	Flow Rate (CFM)	Flow Rate (FPS)	Equipment Serviced
A-1	20 Feet	1.5	2500	23.6	Spray Booth A
A-2	20 Feet	1.5	2500	23.6	Spray Booth A
B-1	20 Feet	2.0	10400	53.3	Spray Booth B
B-2	20 Feet	2.0	10400	53.3	Spray Booth B
C-1	20 Feet	1.5	6270	59.1	Spray Booth C
C-2	20 Feet	2.0	6270	33.3	Spray Booth C
D-1	20 Feet	2.0	8780	46.6	Spray Booth D
D-2	20 Feet	2.0	8780	46.6	Spray Booth D
E-1	20 Feet	2.0	10040	53.3	Spray Booth E
E-2	20 Feet	2.0	10040	53.3	Spray Booth E
F-1	20 Feet	2.0	10040	53.3	Spray Booth F
F-2	20 Feet	2.0	10040	53.3	Spray Booth F
H-1	20 Feet	2.8	13250	35.0	Spray Booth H
H-2	20 Feet	2.8	13250	35.0	Spray Booth H
I-1	20 Feet	1.8	8400	53.0	Heat Tunnel Air Seal
I-2	20 Feet	1.8	8400	53.0	Heat Tunnel Air Seal
I-3	20 Feet	0.8	2200	67.2	Heat Tunnel Combustion Box

APPENDIX F
HEAT TUNNEL
SUPPORTING CALCULATIONS

PRIDE SUMTER FURNITURE

Propane Combustion Emissions

Heat Tunnel

Total VOC from Natural Gas Combustion	=	0.0051 Tons
Total Particulate from Natural Gas Combustion	=	0.0046 Tons
Total Carbon Monoxide from Natural Gas Combustion	=	0.03 Tons
Total Sulfur Dioxide from Natural Gas Combustion	=	0.04 Tons
Total Nitrogen Oxides (NO_x) from Natural Gas Combustion	=	0.12 Tons

SUPPORTING CALCULATIONS
Natural Gas Combustion Emissions

Heat Tunnel

1997 Usage 19,500 gallons

AP-42 factor for particulate	=	0.47 lb/ 1000 gallons
AP-42 factor for carbon monoxide	=	3.1 lb/1000 gallons
AP-42 factor for sulfur dioxide	=	0.09(S) lb/1000 gallons
AP-42 factor for nitrogen oxides (NO_x)	=	12.4 lb/ 1000 gallons
AP-42 factor for volatile organics	=	0.52 lb/ 1000 gallons (combined factor)

Therefore:

Particulate:

(19,500 gallons/yr)(0.47 lb/1000 gallons)	=	9.17 lb/yr
(9.17 lb/yr)(1 Ton / 2000 lb)	=	0.0046 Ton/yr

Carbon Monoxide:

(19,500 gallons/yr)(3.1 lb/1000 gallons)	=	30.45 lb/yr
(60.45 lb/yr)(1 Ton / 2000 lb)	=	0.03 Ton/yr

Sulfur Dioxide:

Sulfur Content(S) = 0.05 gr/ 100ft^3 *(max)*

(19,500 gallons/yr)(0.09)(0.05)	=	87.75 lb/yr
(87.75 lb/yr)(1 Ton / 2000 lb)	=	0.04 Ton/yr

Nitrogen Oxides:

(19,500 gallons/yr)(12.4 lb/1000 gallons)	=	241.8 lb/yr
(241.8 lb/yr)(1 Ton / 2000 lb)	=	0.12 Ton/yr

Volatile Organics:

(19,500 gallons/yr)(0.52 lb/1000 gallons)	=	10.14 lb/yr
(10.14 lb/yr)(1 Ton / 2000 lb)	=	0.0051 Ton/yr

Potential Emissions

Particulate:

(9.17 lb/yr) / (2080 hr/yr)	=	0.0044 lb/hr
(0.0044 lb/hr)(8,760 hr/yr)(1 Ton / 2000 lb)	=	0.019 Ton/yr

Carbon Monoxide:

(30.45 lb/yr) / (2080 hr/yr)	=	0.0146 lb/hr
(0.0146 lb/hr)(8,760 hr/yr)(1 Ton / 2000 lb)	=	0.064 Ton/yr

Sulfur Dioxide:

(87.75 lb/yr) / (2080 hr/yr)	=	0.0422 lb/hr
(0.0422 lb/hr)(8,760 hr/yr)(1 Ton / 2000 lb)	=	0.185 Ton/yr

Nitrogen Oxides:

(241.8 lb/yr) / (2080 hr/yr)	=	0.116 lb/hr
(0.116 lb/hr)(8,760 hr/yr)(1 Ton / 2000 lb)	=	0.51 Ton/yr

Volatile Organics:

(10.14 lb/yr) / (2080 hr/yr)	=	0.0049 lb/hr
(0.0049 lb/hr)(8,760 hr/yr)(1 Ton / 2000 lb)	=	0.021 Ton/yr

APPENDIX G
EXEMPTION FROM PERMITTING

Pride requests that the Heat Tunnel be exempted from permitting. The emissions from the combustion of this quantity propane is minimal. In addition, the location of this facility is in a sparsely populated area of Florida.

APPENDIX H
MSDS SHEETS

—SECTION I—
PRODUCT IDENTIFICATION

MATERIAL SAFETY DATA SHEET

THE SHERWIN - WILLIAMS CO.
101 PROSPECT AVE. N.W.
CLEVELAND, OH 44115

EMERGENCY TELEPHONE NO.
(216) 566-2917
INFORMATION TELEPHONE NO.
(216) 566-2902

DATE OF PREPARATION
1 - Oct - 95

SHER-WOOD® Wiping Stain — *S64/1*

—SECTION II— CAS No.	HAZARDOUS INGREDIENT (percent by weight)	ACGIH TLV <STEL>	OSHA PEL <STEL>	Units	Vapor Pressure (mm Hg)	S64XX ** Custom ** Wiping Stain	S64H1 Wheat	S64N2 Cinnamon	S64N3 Fruitwood	S64N4 Dark Oak	S64N5 Dark Walnut	S64R6 Cherry	S64R7 Mahogany	S64T8 Clear	S64W11 White	S64R15 Cordovan
64742-89-8	V. M. & P. Naphtha.	300	300 <400>	PPM	12.0	0 - 3									3	
64742-88-7	Mineral Spirits.	100	100	PPM	2.0	57 - 85	83	82	81	79	78	81	78	86	57	67
108-88-3 §	Toluene.	50	100 <150>	PPM (Skin)	22.0	0 - 10							3			11
64-17-5	Ethanol	1000	1000	PPM	44.0				Numbers In Boxes Are Percent By Weight						1	
1569-01-3	1-Propoxy-2-propanol	Not Established			1.7	0 - 4									4	
1332-58-7	Kaolin	2	5	Mg/M3	as Resp. Dust	0 - 7									7	
13463-67-7	Titanium Dioxide.	10	10[5]	Mg/M3 [Resp.	as Dust Fraction]	0 - 17									17	
	Weight per Gallon (lbs.)					6.8-7.1	6.77	6.87	6.91	7.02	7.12	6.94	6.94	6.60	8.17	7.07
	Solids by Weight (%)					15 - 32	15.8	17.4	18.1	19.7	21.2	18.3	18.1	13.1	32.5	21.1
	Solids by Volume (%)					10 - 15	10.3	10.7	11.1	11.4	11.8	10.8	10.8	9.8	14.6	13.7
	Percent Water					< 2.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.3	0.1
	Volatile Organic Compounds (VOC) - Total (lbs./gal.)					5.3-5.7	5.70	5.68	5.65	5.63	5.61	5.67	5.69	5.73	5.32	5.57
	Volatile Organic Compounds (VOC) - Less Water (lbs./gal.)					5.4-5.7	5.70	5.68	5.65	5.63	5.61	5.67	5.69	5.73	5.45	5.57
	Photochemically Reactive					No	No	No	No	No	No	No	No	No	No	No
	Flash Point (°F)					40 - 70	80	80	80	80	80	80	80	80	50	40
	DOL Storage Category					1B or 1C	1C	1C	1C	1C	1C	1C	1C	1C	1B	1B
	HMIS (NFPA) Rating (health - flammability - reactivity)					2 3 0	2 3 0	2 3 0	2 3 0	2 3 0	2 3 0	2 3 0	2 3 0	2 3 0	2 3 0	2 3 0

§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

** S64XX column is for custom wiping stains made from the stains listed on this page.
For wiping stains made from stain concentrates, see the MSDS for the concentrate (S64C) and appropriate thinner.

STAIN

→→→ *MSDS Text Page Follows* →→→

SHER-WOOD® Wiping Stain S64

Section III — PHYSICAL DATA

PRODUCT WEIGHT	– See TABLE	*EVAPORATION RATE*	– Slower than Ether
SPECIFIC GRAVITY	– 0.81-1.6	*VAPOR DENSITY*	– Heavier than Air
BOILING RANGE	– 172-395° F	*MELTING POINT*	– N.A.
VOLATILE VOLUME	– 41-90 %	*SOLUBILITY IN WATER*	– N.A.

Section IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION *FLASH POINT* See TABLE *LEL* 0.9 *UEL* 19.0

RED LABEL – Flammable, Flash below 100 °F

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section V — HEALTH HAZARD DATA

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

EMERGENCY AND FIRST AID PROCEDURES

If INHALED:	If affected, remove from exposure. Restore breathing. Keep warm and quiet.
If on SKIN:	Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
If in EYES:	Flush eyes with large amounts of water for 15 minutes. Get medical attention.
If SWALLOWED:	Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Give several glasses of water. Seek medical attention.

CHRONIC Health Hazards

No ingredient in these products is an IARC, NTP, or OSHA listed carcinogen.

Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary, blood-forming, cardiovascular, and reproductive systems.

Rats exposed to titanium dioxide dust at 250 mg./m3 developed lung cancer, however, such exposure levels are not attainable in the workplace.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section VI — REACTIVITY DATA

STABILITY – Stable

CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION – Will Not Occur

Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section VIII — PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section II) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section II, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m3 (total dust), OSHA PEL 15 mg./m3 (total dust), 5 mg./m3 (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section II.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

Section IX — PRECAUTIONS

DOL STORAGE CATEGORY – See TABLE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Contents are FLAMMABLE. Keep away from heat, sparks, and open flame.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

These products may be mixed with other components, including reducers, before use. Before opening the packages, READ AND FOLLOW WARNING LABELS AND MSDS ON ALL COMPONENTS.

Section X — OTHER REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65

WARNING: These products, except for S64H21 and S64T8 contain a chemical(s) known to the State of California to cause cancer. S64R7 also contains a chemical(s) known to the State of California to cause birth defects or other reproductive harm.

This Material Safety Data Sheet conforms to the Hazard Communication standard, 29 CFR 1910.1200(g)(4), for similar complex mixtures.

The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to these products may substantially alter the composition and hazards of the products. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

SEALER

RECEIVED
MAY 05 1998
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MATERIAL SAFETY DATA SHEET

T67FH27
07 00

MANUFACTURER'S NAME
THE SHERWIN-WILLIAMS COMPANY
101 Prospect Avenue N.W.
Cleveland, OH 44115

EMERGENCY TELEPHONE NO.
(216) 566-2917

DATE OF PREPARATION
10-MAR-98

INFORMATION TELEPHONE NO.
(216) 566-2902

Section I -- PRODUCT IDENTIFICATION

PRODUCT NUMBER

T67FH27

HMIS CODES

Health	2*
Flammability	3
Reactivity	0

PRODUCT NAME
SHER-WOOD* Vinyl Sealer
PRODUCT CLASS
Vinyl Amino-Alkyd Coating

Section II -- HAZARDOUS INGREDIENTS

INGREDIENT / CAS No.	% by WT	ACGIH TLV	OSHA PEL	UNITS	V.P.
V. M. & P. Naphtha.	17	300	300	PPM	12.00
64742-89-8	STEL		400	PPM	
Toluene.	2	50	100	PPM (Skin)	22.00
108-88-3	STEL		150	PPM (Skin)	
Xylene.	4	100	100	PPM	5.90
1330-20-7	STEL	150	150	PPM	
2-Methyl-1-propanol	16	50	50	PPM	8.70
78-83-1					
Formaldehyde (max.)	0.4		0.75	PPM	760.00
50-00-0	C	0.3		PPM	
Methyl Ethyl Ketone.	6	200	200	PPM	70.00
78-93-3	STEL	300	300	PPM	
Isopropyl Acetate.	10	250	250	PPM	47.50
108-21-4	STEL	310	310	PPM	
Isobutyl Acetate.	20	150	150	PPM	12.50
110-19-0					

Section III -- PHYSICAL DATA

PRODUCT WEIGHT -- 7.40 lb./gal.
SPECIFIC GRAVITY -- 0.89
BOILING POINT -- 174-325 F
VOLATILE VOLUME -- 82 %
VOC (Theoretical) -- 5.59 lb.

EVAPORATION RATE -- Slower than Ether
VAPOR DENSITY -- Heavier than Air
MELTING POINT -- N.A.
SOLUBILITY IN WATER -- N.A.
670 gm. (less Federally Exempt Solvents)

Section IV -- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	LEL	UEL
22 F PMCC	0.9	10.9

Continued on page 2

FLAMMABILITY CLASSIFICATION

RED LABEL -- Flammable, Flash below 100 F

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section V -- HEALTH HAZARD DATA

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. Alcohols and acetates can be absorbed through the skin. Follow recommendations for proper use, ventilation, and personal protective equipment to minimize exposure.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

May cause allergic respiratory and/or skin reaction in susceptible persons.

EMERGENCY AND FIRST AID PROCEDURES

If INHALED:	If affected, remove from exposure. Restore breathing. Keep warm and quiet.
If on SKIN:	Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
If in EYES:	Flush eyes with large amounts of water for 15 minutes. Get medical attention.
If SWALLOWED:	Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Give conscious patient several glasses of water. Seek medical attention.

Continued on page 3

CHRONIC Health Hazards

Formaldehyde, listed by IARC, NTP and OSHA, has been shown to cause cancer of the nasal cavity in rats exposed to high levels. Available evidence in humans is inconclusive.

Methyl Ethyl Ketone may increase the nervous system effects of other solvents.

Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary, cardiovascular and reproductive systems.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section VI -- REACTIVITY DATA

STABILITY -- Stable

CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

Section VII -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section VIII -- PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE

Before initial use, consult OSHA's Standard for Occupational Exposure to Formaldehyde (29 CFR 1910.1048).

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section II) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section II, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m3 (total dust), 3 mg./m3 (respirable fraction), OSHA PEL 15 mg./m3 (total dust), 5 mg./m3 (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

Continued on page 4

RESPIRATORY PROTECTION

A properly fitted, full face respirator effective for particulates, organic solvents, and formaldehyde or an air supplied respirator must be worn, unless air monitoring demonstrates vapor/mist concentrations are below permissible limits. Follow respirator manufacturer's directions for respirator use.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section II.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

OTHER PROTECTIVE EQUIPMENT

Use of barrier cream on exposed skin is recommended.

Section IX -- PRECAUTIONS

DOL STORAGE CATEGORY

1B

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Contents are FLAMMABLE. Keep away from heat, sparks, and open flame.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section X -- OTHER REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
108-88-3	Toluene.	2	
1330-20-7	Xylene.	4	
50-00-0	Formaldehyde (max.)	0.4	
78-93-3	Methyl Ethyl Ketone.	6	

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

LACQUER

MATERIAL SAFETY DATA SHEET

T77F32
10 00

MANUFACTURER'S NAME
THE SHERWIN-WILLIAMS COMPANY
101 Prospect Avenue N.W.
Cleveland, OH 44115

EMERGENCY TELEPHONE NO.
(216) 566-2917

DATE OF PREPARATION
10-MAR-98

INFORMATION TELEPHONE NO.
(216) 566-2902

Section I -- PRODUCT IDENTIFICATION

PRODUCT NUMBER

T77F32

HMIS CODES

Health	2*
Flammability	3
Reactivity	0

PRODUCT NAME
SHER-WOOD* Catalyzed Lacquer, Medium Rubbed Effect
PRODUCT CLASS
Base component for 2-package Catalyzed Finish

Section II -- HAZARDOUS INGREDIENTS

INGREDIENT / CAS No.	% by WT	ACGIH TLV	OSHA PEL	UNITS	V.P.
V. M. & P. Naphtha.	10	300	300	PPM	12.00
64742-89-8	STEL		400	PPM	
Toluene.	4	50	100	PPM (Skin)	22.00
108-88-3	STEL		150	PPM (Skin)	
Ethanol	7	1000	1000	PPM	44.00
64-17-5					
2-Propanol	3	400	400	PPM	33.00
67-63-0	STEL	500	500	PPM	
1-Butanol	13 C	50	50	PPM (Skin)	5.50
71-36-3					
Formaldehyde (max.)	0.3		0.75	PPM	760.00
50-00-0	C	0.3		PPM	
Methyl n-Amyl Ketone.	3	50	100	PPM	2.14
110-43-0					
n-Butyl Acetate.	9	150	150	PPM	10.00
123-86-4	STEL	200	200	PPM	
Isobutyl Acetate.	16	150	150	PPM	12.50
110-19-0					
Amyl Acetate.	5	100	100	PPM	4.00
628-63-7					

Section III -- PHYSICAL DATA

PRODUCT WEIGHT -- 7.63 lb./gal.
SPECIFIC GRAVITY -- 0.92
BOILING POINT -- 172-325 F
VOLATILE VOLUME -- 79 %
VOC (Theoretical) -- 5.45 lb.

EVAPORATION RATE -- Slower than Ether
VAPOR DENSITY -- Heavier than Air
MELTING POINT -- N.A.
SOLUBILITY IN WATER -- N.A.
653 gm. (less Federally Exempt Solvents)

Continued on page 2

Section IV -- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	LEL	UEL
37 F PMCC	0.9	19.0

FLAMMABILITY CLASSIFICATION

RED LABEL -- Flammable, Flash below 100 F

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section V -- HEALTH HAZARD DATA

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. Alcohols and acetates can be absorbed through the skin. Follow recommendations for proper use, ventilation, and personal protective equipment to minimize exposure.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

May cause allergic respiratory and/or skin reaction in susceptible persons.

EMERGENCY AND FIRST AID PROCEDURES

If INHALED:	If affected, remove from exposure. Restore breathing. Keep warm and quiet.
If on SKIN:	Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
If in EYES:	Flush eyes with large amounts of water for 15 minutes. Get medical attention.
If SWALLOWED:	Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Give conscious patient several glasses of water. Seek medical attention.

Continued on page 3

CHRONIC Health Hazards

Formaldehyde, listed by IARC, NTP and OSHA, has been shown to cause cancer of the nasal cavity in rats exposed to high levels. Available evidence in humans is inconclusive.

Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary, blood forming, cardiovascular and reproductive systems.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section VI -- REACTIVITY DATA

STABILITY -- Stable

CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

Section VII -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section VIII -- PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE

Before initial use, consult OSHA's Standard for Occupational Exposure to Formaldehyde (29 CFR 1910.1048).

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section II) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section II, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m3 (total dust), 3 mg./m3 (respirable fraction), OSHA PEL 15 mg./m3 (total dust), 5 mg./m3 (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

Continued on page 4

RESPIRATORY PROTECTION

A properly fitted, full face respirator effective for particulates, organic solvents, and formaldehyde or an air supplied respirator must be worn, unless air monitoring demonstrates vapor/mist concentrations are below permissible limits. Follow respirator manufacturer's directions for respirator use.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section II.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

OTHER PROTECTIVE EQUIPMENT

Use of barrier cream on exposed skin is recommended.

Section IX -- PRECAUTIONS

DOL STORAGE CATEGORY

1B

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Contents are FLAMMABLE. Keep away from heat, sparks, and open flame.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS

This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section X -- OTHER REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
108-88-3	Toluene.	4	
71-36-3	1-Butanol	13	
50-00-0	Formaldehyde (max.)	0.3	

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

Continued on page 5

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

—SECTION I—
PRODUCT IDENTIFICATION

MATERIAL SAFETY DATA SHEET

THE SHERWIN-WILLIAMS CO.
101 PROSPECT AVE. N.W.
CLEVELAND, OH 44115

EMERGENCY TELEPHONE NO. (216) 566-2917
INFORMATION TELEPHONE NO. (216) 566-2902
DATE OF PREPARATION 8-MAR-96

Lacquer Reducers

SOL-LAC

—SECTION II— CAS No.	HAZARDOUS INGREDIENT (percent by weight)	ACGIH TLV <STEL>	OSHA PEL <STEL>	Units	Vapor Pressure (mm Hg)	Butyl Acetate R6 K 18	Lacquer Thinner R7 K 22	Retarder Thinner R7 K 27	Etching Thinner R7 K 53	K119 Thinner R7 K 119	K120 Thinner R7 K 120
							530-8556 530-8564 530-8572	530-8614 530-8655 530-8663		154-4691 154-4709 154-8791	154-2307 154-2315 154-8726
64742-89-8	Lt. Aliphatic Hydrocarbon Solvent.	100	100	PPM	53.0		19		20	23	20
64742-89-8	V. M. & P. Naphtha.	300	300 <400>	PPM	12.0		15	16	7		16
64742-88-7	Mineral Spirits.	100	100	PPM	2.0			14			
108-88-3 §	Toluene.	50	100 <150>	PPM (Skin)	22.0		12	11	13	31	13
100-41-4 §	Ethylbenzene	100 <125>	100 <125>	PPM	7.1		1				
1330-20-7 §	Xylene.	100 <150>	100 <150>	PPM	5.9		6	4	6	5	5
67-56-1 §	Methanol	200 <250>	200 <250>	PPM (Skin)	92.0					3	3
67-63-0	2-Propanol	400 <500>	400 <500>	PPM	33.0		9		15	10	6
78-83-1	2-Methyl-1-propanol	50	50	PPM	8.7		8	12	6		5
111-76-2 §	2-Butoxyethanol	25	25	PPM (Skin)	0.6		5	18	3		4
67-64-1	Acetone.	750 <1000>	750 <1000>	PPM	180.0					20	18
78-93-3 §	Methyl Ethyl Ketone.	200 <300>	200 <300>	PPM	70.0		11				
108-10-1 §	Methyl Isobutyl Ketone	50 <75>	50 <75>	PPM	16.0					5	
110-43-0	Methyl n-Amyl Ketone.	50	100	PPM	2.1		5	23			3
123-86-4	n-Butyl Acetate.	150 <200>	150 <200>	PPM	10.0	100					
110-19-0	Isobutyl Acetate.	150	150	PPM	12.5		10		28		6
112-07-2 §	2-Butoxyethyl Acetate	Not Established			1.0					1	
	Weight per Gallon (lbs.)					7.31	6.63	6.77	6.77	6.64	6.58
	Percent Water					0.0	0.0	0.0	0.3	0.0	0.0
	VOC (Volatile Organic Compounds) Total - lbs./gal.					7.31	6.63	6.76	6.69	5.32	5.37
	VOC Less Federally Exempt Solvents - lbs./gal.					7.31	6.63	6.76	6.71	6.65	6.58
	Photochemically Reactive					No	No	No	No	Yes	No
	Flash Point (°F) / DOL Storage Category					81 / 1C	32 / 1B	47 / 1B	25 / 1B	1 / 1B	3 / 1B
	HMIS (NFPA) Rating (health - flammability - reactivity)					2 3 0	2 3 0	2 3 0	2 3 0	3 3 0	3 3 0

Numbers In Boxes Are Percent By Weight

§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

THINNER

Section III — PHYSICAL DATA

PRODUCT WEIGHT –	See TABLE	*EVAPORATION RATE* –	Slower than Ether
SPECIFIC GRAVITY –	0.79-0.88	*VAPOR DENSITY* –	Heavier than Air
BOILING RANGE –	132-395 °F	*MELTING POINT* –	N.A.
VOLATILE VOLUME –	100 %	*SOLUBILITY IN WATER* –	N.A.

Section IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION *FLASH POINT* See TABLE *LEL* 0.9 *UEL* 36.5

RED LABEL -- Flammable, Flash below 100 °F

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section V — HEALTH HAZARD DATA

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. Alcohols and acetates in Lacquer Thinner (R7K22) and Retarder Thinner (R7K27) may be absorbed through the skin. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

EMERGENCY AND FIRST AID PROCEDURES

If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
If on SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
If SWALLOWED: Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Give several glasses of water. Seek medical attention.

CHRONIC Health Hazards

No ingredient in these products is an IARC, NTP or OSHA listed carcinogen.

Methyl Ethyl Ketone may increase the nervous system effects of other solvents.

Prolonged overexposure to solvent ingredients in listed products, except Butyl Acetate, may cause adverse effects to the liver, urinary, blood-forming, cardiovascular, and reproductive systems.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section VI — REACTIVITY DATA

STABILITY – Stable

CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION – Will Not Occur

Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD

Waste from these products may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Waste from products containing Methyl Ethyl Ketone may also require testing for extractability.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section VIII — PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section II.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

Section IX — PRECAUTIONS

DOL STORAGE CATEGORY – See TABLE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Contents are FLAMMABLE. Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section X — OTHER REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65

WARNING: These products, except for Butyl Acetate, contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of additives or other coatings materials to these products may substantially alter the composition and hazards of the products. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

—SECTION I—
PRODUCT IDENTIFICATION

MATERIAL SAFETY DATA SHEET

THE SHERWIN-WILLIAMS CO.
101 PROSPECT AVE. N.W.
CLEVELAND, OH 44115

EMERGENCY TELEPHONE NO. (216) 566-2917
INFORMATION TELEPHONE NO. (216) 566-2902
DATE OF PREPARATION 8 -MAR - 96

Reducers

SOL/3

—SECTION II— CAS No.	HAZARDOUS INGREDIENT (percent by weight)	ACGIH TLV <STEL>	OSHA PEL <STEL>	Units	Vapor Pressure (mm Hg)	Acetone R6 K 9	Methyl Ethyl Ketone R6 K 10	HAPS Complying Dye Stain R6 K 21	Butyl Cellosolve® R6 K 25	Reducer 54 R7 K 54
		154-8718 154-8775 154-8783					154-2406 154-2414 154-8734			530-8671 530-8689 530-8697
100-41-4 §	Ethylbenzene	100 <125>	100 <125>	PPM	7.1					4
1330-20-7 §	Xylene.	100 <150>	100 <150>	PPM	5.9					22
64-17-5	Ethanol	1000	1000	PPM	44.0			90		23
67-63-0	2-Propanol	400 <500>	400 <500>	PPM	33.0			5		
111-76-2 §	2-Butoxyethanol	25	25	PPM (Skin)	0.6				100	
67-64-1	Acetone.	750 <1000>	750 <1000>	PPM	180.0	100				
78-93-3 §	Methyl Ethyl Ketone.	200 <300>	200 <300>	PPM	70.0		100			
108-10-1 §	Methyl Isobutyl Ketone.	50 <75>	50 <75>	PPM	16.0					51
109-60-4	n-Propyl Acetate.	200 <250>	200 <250>	PPM	23.0			6		
	Weight per Gallon (lbs.)					6.59	6.68	6.70	7.49	6.75
	VOC (Volatile Organic Compounds) Total - lbs./gal.					0.0	6.68	6.70	7.49	6.75
	VOC Less Federally Exempt Solvents - lbs./gal.					6.59	6.68	6.70	7.49	6.75
	Photochemically Reactive					No	No	No	No	Yes
	Flash Point (°F)					1	18	58	138	55
	DOL Storage Category					1B	1B	1B	2	1B
	Flammability Classification (Flammable - Combustible)					Flammable	Flammable	Flammable	Combustible	Flammable
	HMIS (NFPA) Rating (health - flammability - reactivity)					1 3 0	2 3 0	2 3 0	2 2 0	2 3 0

Numbers In Boxes Are Percent By Weight

§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

Butyl Cellosolve is a trademark of Union Carbide

BUTYL CELLOSOLVE

→→→ *MSDS Text Page Follows* →→→

Section III — PHYSICAL DATA

PRODUCT WEIGHT –	See TABLE	*EVAPORATION RATE* –	Slower than Ether
SPECIFIC GRAVITY –	0.79-0.90	*VAPOR DENSITY* –	Heavier than Air
BOILING RANGE –	132-340 °F	*MELTING POINT* –	N.A.
VOLATILE VOLUME –	100 %	*SOLUBILITY IN WATER* –	N.A.

Section IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION *FLASH POINT* See TABLE *LEL* 1.0 *UEL* 19.0
See TABLE

EXTINGUISHING MEDIA
Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS
Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES
Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section V — HEALTH HAZARD DATA

ROUTES OF EXPOSURE
Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. Alcohols and acetates in Butyl Cellosolve, Reducer 54, and HAPS Complying Dye Stain Reducer, can be absorbed through the skin. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE
Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE
Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.
Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None generally recognized.

EMERGENCY AND FIRST AID PROCEDURES
If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
If on SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
If SWALLOWED: Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Give several glasses of water. Seek medical attention.

CHRONIC Health Hazards
No ingredient in these products is an IARC, NTP or OSHA listed carcinogen.
Methyl Ethyl Ketone may increase the nervous system effects of other solvents.
Prolonged overexposure to solvent ingredients in Butyl Cellosolve, Reducer 54, and HAPS Complying Dye Stain Reducer may cause adverse effects to the liver and urinary systems. Prolonged overexposure to solvent ingredients in Reducer 54 and Methyl Ethyl Ketone may cause adverse effects to the reproductive system.
Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section VI — REACTIVITY DATA

STABILITY – Stable
None known.

CONDITIONS TO AVOID
None known.

INCOMPATIBILITY
None known.

HAZARDOUS DECOMPOSITION PRODUCTS
By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION – Will Not Occur

Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD
Waste from these products may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Waste from products containing Methyl Ethyl Ketone may also require testing for extractability.
Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section VIII — PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE
Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

VENTILATION
Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION
If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II.

PROTECTIVE GLOVES
Wear gloves which are recommended by glove supplier for protection against materials in Section II.

EYE PROTECTION
Wear safety spectacles with unperforated sideshields.

Section IX — PRECAUTIONS

DOL STORAGE CATEGORY - See TABLE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.
During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.
Consult NFPA Code. Use approved Bonding and Grounding procedures.
Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS
Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section X — OTHER REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65
WARNING: Acetone contains a chemical(s) known to the State of California to cause cancer. Reducer 54 contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of additives or other coatings materials to these products may substantially alter the composition and hazards of the products. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

96 —SECTION I— PRODUCT IDENTIFICATION

MATERIAL SAFETY DATA SHEET

THE SHERWIN-WILLIAMS CO.
101 PROSPECT AVE. N.W.
CLEVELAND, OH 44115

EMERGENCY TELEPHONE NO. (216) 566-2917
INFORMATION TELEPHONE NO. (216) 566-2902
DATE OF PREPARATION 8 -MAR - 96

Reducers

SOL/1

—SECTION II— CAS No.	HAZARDOUS INGREDIENT (percent by weight)	ACGIH TLV <STEL>	OSHA PEL <STEL>	Units	Vapor Pressure (mm Hg)	V M & P Naphtha R1 K 3	Mineral Spirits R1 K 4	Exempt Xylol R4 K 11	Secondary Butanol R6 K 19	Diacetone Alcohol R6 K 24
						154-2349 154-2356 154-8700	154-2323 154-2331 154-8759			
64742-89-8	V. M. & P. Naphtha.	300	300 <400>	PPM	12.0	100		23		
64742-88-7	Mineral Spirits.	100	100	PPM	2.0		100	53		
64742-94-5	Medium Aromatic Hydrocarbons	Not Established			0.1			1		
67-63-0	2-Propanol	400 <500>	400 <500>	PPM	33.0			3		
78-92-2 §	2-Butanol	100	100	PPM	12.0				100	
123-42-2	Diacetone Alcohol.	50	50	PPM	1.2					100
111-76-2 §	2-Butoxyethanol	25	25	PPM (Skin)	0.6			1		
108-94-1	Cyclohexanone	25	25	PPM (Skin)	2.0			18		
	Weight per Gallon (lbs.)					6.20	6.35	6.57	6.69	7.79
	VOC (Volatile Organic Compounds) - lbs./gal.					6.20	6.35	6.57	6.69	7.79
	Photochemically Reactive					No	No	No	No	Yes
	Flash Point (°F)					50	105	35	73	117
	DOL Storage Category					1B	2	1B	1C	2
	Flammability Classification (Flammable - Combustible)					Flammable	Combustible	Flammable	Flammable	Combustible
	HMIS (NFPA) Rating (health - flammability - reactivity)					2 3 0	2 2 0	3 3 0	2 3 0	1 2 0

Numbers In Boxes Are Percent By Weight

§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

STRIPPER

→→→ *MSDS Text Page Follows* →→→

Section III — PHYSICAL DATA

PRODUCT WEIGHT –	See TABLE	*EVAPORATION RATE* –	Slower than Ether
SPECIFIC GRAVITY –	0.75-0.94	*VAPOR DENSITY* –	Heavier than Air
BOILING RANGE –	178-415 °F	*MELTING POINT* –	N.A.
VOLATILE VOLUME –	100 %	*SOLUBILITY IN WATER* –	N.A.

Section IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION *FLASH POINT* See TABLE *LEL* 0.8 *UEL* 12.7
See TABLE

EXTINGUISHING MEDIA
Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS
Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES
Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section V — HEALTH HAZARD DATA

ROUTES OF EXPOSURE
Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. The alcohol in Sec-Butanol can be absorbed through the skin. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE
Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE
Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.
Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None generally recognized.

EMERGENCY AND FIRST AID PROCEDURES
If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
If on SKIN: Wash affected area thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.
If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
If SWALLOWED: Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Give several glasses of water. Seek medical attention.

CHRONIC Health Hazards
No ingredient in these products is an IARC, NTP or OSHA listed carcinogen.
Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver and urinary systems. Prolonged overexposure to solvent ingredients in R4K11 may also cause adverse effects to the blood-forming and reproductie systems.
Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section VI — REACTIVITY DATA

STABILITY -- Stable

CONDITIONS TO AVOID
None known.

INCOMPATIBILITY
None known.

HAZARDOUS DECOMPOSITION PRODUCTS
By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION – Will Not Occur

Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD
Waste from these products may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.
Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section VIII — PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE
Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

VENTILATION
Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION
If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II.

PROTECTIVE GLOVES
Wear gloves which are recommended by glove supplier for protection against materials in Section II.

EYE PROTECTION
Wear safety spectacles with unperforated sideshields.

Section IX — PRECAUTIONS

DOL STORAGE CATEGORY – See TABLE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep away from heat, sparks, and open flame.
During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.
Consult NFPA Code. Use approved Bonding and Grounding procedures.
Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS
Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section X — OTHER REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65
WARNING: Exempt Xylol contains a chemical(s) known to the State of California to cause cancer. V. M. & P. Naphtha contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of additives or other coatings materials to these products may substantially alter the composition and hazards of the products. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

NOTICE OF PERMIT ISSUANCE

CERTIFIED MAIL
In the Matter of an Application for permit by:

DER File No.: AO60-263746
County: ~~Polk~~ Sumter

Mr. Christopher Bruni
Director of Health & Safety
Pride, Inc.
5540 Rio Vista Drive
Clearwater, Florida 34620
_____/

Enclosed is operation Permit Number AO53-263746 for the surface coating operations at your facility located in Bushnell, issued pursuant to Section 403, Florida Statutes. Please read this new permit thoroughly as there are changes from the previous permit.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of receipt of this permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57 Florida Statutes.

The Petition shall contain the following information;

(a) The name, address, and the telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
(c) A statement of how each petitioner's substantial interests are affected by the Department's proposed action;
(d) A statement of the material facts disputed by petitioner;

(e) A statement of facts which petitioner contends warrants reversal or modification of the Department's action or proposed action;
(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice, in the Office of General Counsel at the above address of the Department. Failure to petition within the allotted time frame constitutes a waiver of any rights such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Street Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Tampa, Florida

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

David L. Zell

David R. Zell
Air Permitting Engineer
Phone (813) 744-6100 Ext. 118

DRZ/
Attachment

copy to:
Paul Aronian, P.E., EMCON Southeast, Inc.
(8021 Phillips Highway, Suite 12, Jacksonville, FL 32256-7460)

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were mailed by certified mail before the close of business on MAR 20 1995 to the listed persons.

FILING AND ACKNOWLEDGEMENT FILED, on this date, pursuant to Section 120.52(11), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Marilyn Ruspe MAR 20 1995
Clerk Date

Is your RETURN ADDRESS completed on the reverse side?

SENDER: A053-263746 + 263747 D2

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

MR CHRISTOPHER BRUNI
DIR OF HEALTH/SAFETY
PRIDE INC
5540 RIO VISTA DRIVE
CLEARWATER FL 34620

4a. Article Number
Z 349 851 496

4b. Service Type
☐ Registered ☐ Insured
☑ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery
3/21

5. Signature (Addressee)

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 ☆U.S. GPO: 1993—352-714 **DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

Z 349 851 497

Receipt for Certified Mail
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

UNITED STATES POSTAL SERVICE

MR PAUL ARONIAN
EMCON SOUTHEAST INC
8021 PHILLIPS HIGHWAY
SUITE 12
JACKSONVILLE FL 32256-7460

PS	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date MAR 20 1995	

A053-263746
" -263747

Z 349 851 496

Receipt for Certified Mail
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

UNITED STATES POSTAL SERVICE

MR CHRISTOPHER BRUNI
DIR OF HEALTH/SAFETY
PRIDE INC
5540 RIO VISTA DRIVE
CLEARWATER FL 34620

PS	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date MAR 20 1995	

A053-263746
" -263747

Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

PERMITTEE:
PRIDE, Inc.
5540 Rio Vista Drive
Clearwater, FL 34620

PERMIT/PROJECT:
Permit No.: AO60-263746
County: Sumter
Expiration Date: 3/17/00
Project: Surface Coating Operations

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 62-2 through 62-297 & 62-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the operation of a wood furniture surface coating operation. The facility finishes wood furniture using wood stain, sealer and lacquer. Finishing takes place in 7 (seven) Binks spray booths designated as Booths A, B, C, D, E, F, and G. The spray booths are equipped with Andreae overspray filters with an estimated collection efficiency of 99.6%.

Volatile organic compound/organic solvent (VOC/OS) emissions are be controlled by a material balance scheme through recordkeeping.

(This facility also includes a 1.77 MMBtu/hr natural gas fired radiant heat make-up air dryer which vents inside the building.)

Location: Highway 476B, Bushnell

UTM: 17-381.4 E 3166.2 N **NEDS No.:** 0015 **Point ID No.:** 01

Replaces Permit No.: AC60-235695

PERMITTEE:
PRIDE, Inc.

PERMIT/PROJECT:
Permit No.: AO60-263746
Project: Surface Coating

Specific Conditions:

1. A part of this permit is the attached 15 General Conditions. [Rule 62-4.160, F.A.C.]

2. Issuance of this permit does not relieve the permittee from complying with applicable emission limiting standards or other requirements of Chapters 62-2 through 62-297, or any other requirements under federal, state, or local law. [Rule 62-210.300, F.A.C.]

Operation and Emission Limitations

3. This facility is permitted to operate a maximum of 3,120 hours per 12 consecutive month period. Operation is defined as any period during which surface coating is being done. [Construction permit AC53-235695]

4. Total VOC/OS emissions from this facility shall not exceed 23.04 tons/year.
[Construction permit AC53-235695]

5. The permittee shall not store, pump, handle, process, load, unload, or use in any process or installation volatile organic compounds (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. Pursuant to Rule 62-296.320(1)(a), F.A.C., the following procedures shall be utilized to minimize pollutant emissions:

A. Maintain tightly fitting cover, lids, etc. on all containers of VOC when they are not being handled, tapped, etc.

B. Prevent excessive air turbulence across exposed VOC's.

C. Where possible and practical, procure/fabricate a tightly fitting cover for any open trough, basin, bath, etc. of VOC so that it can be covered when not in use.

D. All fittings, valve lines, etc. shall be properly maintained.

E. All VOC spills shall be attended to immediately and the waste properly disposed of, recycled, etc.

[Rule 62-296.320(1)(a), F.A.C.]

Specific Conditions:

6. The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor. An objectionable odor is any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rule 62-296.320(2), F.A.C.]

Compliance and Recordkeeping Requirements

7. Compliance with the emission limitation of Specific Condition No. 4 shall be demonstrated by submission of a yearly summary of estimated VOC/OS usage and emissions (See Specific Condition No. 9). Records to support the yearly summary of estimated VOC/OS emissions shall be maintained on site and made available to the Department upon request. The VOC/OS Usage and Emission Log records shall include, but are not limited to, the following:

A. The source description - (i.e. Booths A, B, C, D, E, F, and G);

B Date - month, day, year;

C. On a monthly basis, what "As Applied" coating (by identification number) was used, indicating the amount of each used in gallons or pounds;

D. On a monthly basis, all other VOC and solvents, indicating the amount of each used;

E. VOC content as applied (percent by weight) for each type of coating utilized;

F. A monthly total of VOC/OS emissions and a cumulative 12 month running total to ensure the annual VOC/OS emission limit is not exceeded.

Supporting documentation ("As Supplied", "As Applied" sheets, MSD sheets, EPA data sheets, purchase orders, etc.) shall be kept for each coating and VOC/OS which includes sufficient information to determine VOC/OS emissions.
[Rules 62-296.320 and 62-4.070(3), F.A.C.]

Specific Conditions:

8. In order to document compliance with Specific Condition No. 3, the permittee shall maintain a daily record of operating hours. Operation is defined as any period when surface coating is being done. These records shall be recorded in a permanent form suitable for inspection by the Department upon request, and shall be retained for at least a two year period.
[Rule 62-4.070(3), F.A.C.]

Reporting Requirements

9. The permittee shall submit to the Air Compliance Section of the Southwest District Office of the Department each calendar year on or before March 1, completed DER Form 62-210.900(5), "Annual Operating Report (AOR) for Air Pollutant Emitting Facility," for the preceding calendar year. Included with the AOR, the permittee shall submit a copy of the VOC/OS Usage and Emissions Log(s) summary (Specific Condition No. 7) for the previous calendar year.
[Rules 62-210.370(3), and 62-4.070(3), F.A.C.]

Permit Application ***(IMPORTANT)***

10. As currently permitted, this project would be subject to the requirements of Rule 62-213 - Operation Permits for Major Sources of Air Pollution (Title V), F.A.C. since the facility would be a "Major Title V Source" for Hazardous Air Pollutant's (HAP's) by virtue of potentially having emissions of a single HAP of greater than 10 tons/year. In order to make this facility a synthetic non-title V source, an HAP emission limitation of < 10 tons/year for any single HAP would have to be established in a "Federally Enforceable Operation Permit for Non-Title V Sources" issued in accordance with the requirements of Rules 62-210.300(2)(b), and 62-210.350(4), F.A.C. (including a 30 day public notice period). Therefore, the permittee shall either:

A. Submit a Title V application in accordance with Rule 62-213.420, F.A.C., no later than November 15, 1995; *or*

B. Submit an application for a "Federally Enforceable Operation Permit for Non-Title V Sources" issued in accordance with the requirements of Rules 62-210.300(2)(b), and 62-210.350(4), F.A.C. This application must be submitted such that this permit has a final issuance date prior to November 15, 1995. In order to allow for a possible processing time of 4-5 months this application should be submitted by June 1, 1995.

[Rules 62-210.300(2)(b) and 62-213.420, F.A.C.]

PERMITTEE:
PRIDE, Inc.

PERMIT/PROJECT:
Permit No.: AO60-263746
Project: Surface Coating

Specific Conditions:

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

for Richard D. Garrity, Ph.D.
Director of District Management
Southwest District

ATTACHMENT - GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in Subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:

GENERAL CONDITIONS:

a. Have access to and copy any records that must be kept under the conditions of the permit;

b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and

c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

a. a description of and cause of non-compliance; and

b. the period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

GENERAL CONDITIONS:

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

( ) Determination of Best Available Control Technology (BACT)
( ) Determination of Prevention of Significant Deterioration (PSD)
( ) Compliance with New Source Performance Standards (NSPS)

14. The permittee shall comply with the following:

a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the dates analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

A060-263746

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

AIR POLLUTION SOURCES
CERTIFICATE OF COMPLETION OF CONSTRUCTION*

PERMIT NO. AC60-235695 DATE: 12/20/94

Company Name: Pride, Inc. County: Sumter

Source Identification(s): Surface Coating Facility

Actual costs of serving pollution control purpose: $ N/A

Operating Rates: See Attachment Design Capacity: N/A

Expected Normal See Attachment During Compliance Test N/A

Date of Compliance Test: N/A (Attach detailed test report)

Test Results:

Pollutant	Actual Discharge	Allowed Discharge
N/A		

Date plant placed in operation: April 1994

This is to certify that, with the exception of deviations noted**, the construction of the project has been completed in accordance with the application to construct and Construction Permit No. AC60-235695 dated April, 1994.

A. Applicant:

Christopher Bruni
Name of Person Signing (Type)

Christopher Bruni
Signature of Owner or Authorized Representative and Title

Date: 1-3-95 Telephone: (813) 535-4900

B. Professional Engineer:

Paul Aronian
Name of Person Signing (Type)

Paul Aronian
Signature of Professional Engineer

Emcon Southeast, Inc.
Company Name

Florida Registration No. 47925

Date: 12-21-94

(Seal)

PAUL F. ARONIAN
CERTIFICATE
No. 47925
STATE OF
FLORIDA
REGISTERED ENGINEER

8021 Phillips Hghwy, Suite 12, Jacksonville, 32256-7460
Mailing Address

(904) 636-9360
Telephone Number

*This form, satisfactorily completed, submitted in conjunction with an existing application to construct permit and payment of application processing fee will be accepted in lieu of an application to operate.

**As built, if not built as indicated include process flow sketch, plot plan sketch, and updates of applicable pages of application form.

Florida Department of
Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619
813-744-6100

Virginia B. Wetherell
Secretary

NOTICE OF PERMIT

In the Matter of an
Application for Permit by:

DEP File No.: AC60-235695
Sumter County

Mr. Christopher Bruni
Director of Health & Safety
PRIDE, Inc.
5540 Rio Vista Drive
Clearwater, FL 34620

_____/

Enclosed is Permit Number AC60-235695 for the after-the-fact construction of the wood surface coating facility located at Highway 476B, Sumter County, FL, issued pursuant to Section 403.087, Florida Statutes.

Any party to this order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this Notice is filed with the Clerk of the Department.

Executed in Tampa, Florida.

Sincerely,

Jerry Kissel, P.E.
District Air Engineer

/DRZ

copy to:
Mr. Douglas R. Ashline, Jr., P.E., Environmental Sciences Group

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on APR 01 1994 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGEMENT FILED, on this date, pursuant to Section 120.52(11), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Marilyn Quispe APR 01 1994
(Clerk) (Date)

Florida Department of
Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619
813-744-6100

Virginia B. Wetherell
Secretary

PERMITTEE:
PRIDE, Inc.
5540 Rio Vista Drive
Clearwater, FL 34620

PERMIT/CERTIFICATION:
Permit No.: AC60-235695
County: Sumter
Expiration Date: 3/04/95
Project: Surface Coating Operation

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 through 17-297 & 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the after-the-fact construction of a wood furniture surface coating operation. The facility finishes wood furniture using wood stain, sealer and lacquer. Finishing takes place in 7 (seven) Binks spray booths designated as Booths A, B, C, D, E, F, and G. The spray booths are equipped with Andreae overspray filters with an estimated collection efficiency of 99.6%.

Volatile organic compound/organic solvent (VOC/OS) emissions shall be controlled by a material balance scheme through recordkeeping.

Location: Highway 476B, Bushnell

UTM: 17-381.4E 3166.2N

NEDS No.: 0015 **Point ID Nos.:** 01

Replaces Permit No.: N/A

SPECIFIC CONDITIONS:

1. A part of this permit is the attached 15 General Conditions.

2. Issuance of this permit does not relieve the permittee from complying with applicable emission limiting standards or other requirements of Chapters 17-2 through 17-297, or any other requirements under federal, state, or local law. [Rule 17-210.300, F.A.C.].

EMISSION AND OPERATING LIMITATIONS

3. VOC/OS emissions shall not exceed 23.04 tons/year. [Rules 17-296.320 and Application dated 7/1/93].

4. The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor. [Rule 17-296.320(2), F.A.C.].

5. The permittee shall not store, pump, handle, process, load, unload, or use in any process or installation volatile organic compounds (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. Pursuant to Rule 17-296.320(1)(a), F.A.C., the following procedures shall be utilized to minimize pollutant emissions:

A. Maintain tightly fitting cover, lids, etc. on all containers of VOC when they are not being handled, tapped, etc.
B. Prevent excessive air turbulence across exposed VOC's.
C. Where possible and practical, procure/fabricate a tightly fitting cover for any open trough, basin, bath, etc. of VOC so that it can be covered when not in use.
D. All fittings, valve lines, etc. shall be properly maintained.
E. All VOC spills shall be attended to immediately and the waste properly disposed of, recycled, etc.

6. This source is permitted to operate 3120 hours/year. [Application dated 7/1/93.]

COMPLIANCE AND RECORDKEEPING REQUIREMENTS

7. Compliance with the emission limitation of Specific Condition No. 3 shall be demonstrated by submission of a yearly summary of estimated VOC/OS emissions. Submit the yearly summary to the Southwest District Office of the Department along with the application for operating permit. Records to support the yearly summary of estimated VOC/OS emissions shall be maintained on

SPECIFIC CONDITIONS:

site. The records shall be made available to the Department upon request. The records shall include, but are not limited to, the following:

A. The source description - Booths A, B, C, D, E, F, and G.
B. Date - month, day, year.
C. On a monthly basis, what "As Applied" coating (by identification number) was used, indicating the amount of each used in gallons or pounds.
D. On a monthly basis, all other VOC and solvents, indicating the amount of each used.
E. VOC content as applied (percent by weight) for each type of coating utilized.
F. A monthly total of VOC/OS emissions and a cumulative 12 month running total to ensure the annual VOC/OS emission limit is not exceeded.

Supporting documentation ("As Supplied", "As Applied" sheets, MSD sheets, EPA data sheets, purchase orders, etc.) shall be kept for each coating and VOC/OS which includes sufficient information to determine VOC/OS emissions.
[Rules 17-296.320 and 17-4.070(3), F.A.C.].

OTHER REQUIREMENTS

8. Three applications for an operating permit shall be submitted to the Southwest District Office of the Department prior to 1/3/95 [at least 60 days prior to the expiration date of this permit.] To properly apply for an operation permit, the applicant shall submit the following:

A. the appropriate application form; noting any deviations from the construction permit application,
B. the appropriate operation permit fee, and
C. a copy of 1994's yearly summary of VOC/OS required by Specific Condition No. 9.

[Rules 17-4.070(3) and 17-297.340(1), F.A.C.].

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

For Richard D. Garrity, Ph.D.
Director of District Management
Southwest District

ATTACHMENT - GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in Subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:

GENERAL CONDITIONS:

a. Have access to and copy any records that must be kept under the conditions of the permit;

b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and

c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

a. a description of and cause of non-compliance; and

b. the period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

GENERAL CONDITIONS:

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

( ) Determination of Best Available Control Technology (BACT)
( ) Determination of Prevention of Significant Deterioration (PSD)
( ) Compliance with New Source Performance Standards (NSPS)

14. The permittee shall comply with the following:

a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the dates analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

D.E.R.

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301

NOV - 2 1993

SOUTHWEST DISTRICT
TAMPA

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

D.E.R.

AC60-235695

JUL 26 1993

SOUTHWEST DISTRICT
TAMPA

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Wood Furniture Surface Coating [ ] New[1] [X] Existing

APPLICATION TYPE: [X] Construction [ ] Operation [ ] Modification

COMPANY NAME: Prison Rehabilitative Industries & Diversified Enterprises, Inc. (PRIDE) **COUNTY:** Sumter

Identify the specific emission point source(s) addressed in this application (i.e. Lime Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) Wood Finishing Booths A - G

SOURCE LOCATION: Street Highway 476B City Bushnell

UTM: East 381.43 North 3166.21

Latitude 28 ° 37 ' 07 "N Longitude 82 ° 12 ' 45 "W

APPLICANT NAME AND TITLE: Christopher Bruni, Director of Health and Safety

APPLICANT ADDRESS: 5540 Rio Vista Drive, Clearwater, Florida 34620

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of PRIDE

I certify that the statements made in this application for a Construction (After-the-Fact permit are true, correct and complete to the best of my knowledge and belief. Further, I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permitted establishment.

*Attach letter of authorization

Signed: Christopher Bruni

Christopher Bruni, Director of Health & Saf

Name and Title (Please Type)

Date: 7/1/93 Telephone No. (813)535-4900

B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that

See Florida Administrative Code Rule 17-2.100(57) and (104)

NEDS#

Protecting Florida and Your Quality of Life

the pollution control facilities, when properly maintained and operated, will discha an effluent that complies with all applicable statutes of the State of Florida and t rules and regulations of the department. It is also agreed that the undersigned wil furnish, if authorized by the owner, the applicant a set of instructions for the pro maintenance and operation of the pollution control facilities and, if applicable, pollution sources.

Signed Douglas R. Ashline, Jr.

Douglas R. Ashline, Jr.
Name (Please Type)

Company Name (Please Type)

1602 Georgetown Drive, Lakeland, FL 33811
Mailing Address (Please Type)

Florida Registration No. 43853 Date: 7/18/93 Telephone No. (813) 648-9127

SECTION II: GENERAL PROJECT INFORMATION

A. Describe the nature and extent of the project. Refer to pollution control equipment, and expected improvements in source performance as a result of installation. State whether the project will result in full compliance. Attach additional sheet if necessary.

"After - the - Fact" construction permit application for wood furniture surface coating. Finishing takes place in existing Binks spray booths. After finishing the furniture is dried using a radiant heat make-up air dryer. Source is uncontrolled.

B. Schedule of project covered in this application (Construction Permit Application Only

Start of Construction NA Completion of Construction NA

C. Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for individual components/units of the project serving pollution control purposes. Information on actual costs shall be furnished with the application for operation permit.)

NA

D. Indicate any previous DER permits, orders and notices associated with the emission point, including permit issuance and expiration dates.

None

E. Requested permitted equipment operating time: hrs/day 10 ; days/wk 6 ; wks/yr 52

if power plant, hrs/yr ____; if seasonal, describe: NA

F. If this is a new source or major modification, answer the following questions. (Yes or No)

1. Is this source in a non-attainment area for a particular pollutant? No

   a. If yes, has "offset" been applied? NA

   b. If yes, has "Lowest Achievable Emission Rate" been applied? NA

   c. If yes, list non-attainment pollutants. NA

2. Does best available control technology (BACT) apply to this source? If yes, see Section VI. No

3. Does the State "Prevention of Significant Deterioration" (PSD) requirement apply to this source? If yes, see Sections VI and VII. No

4. Do "Standards of Performance for New Stationary Sources" (NSPS) apply to this source? No

5. Do "National Emission Standards for Hazardous Air Pollutants" (NESHAP) apply to this source? No

H. Do "Reasonably Available Control Technology" (RACT) requirements apply to this source? No

   a. If yes, for what pollutants? ____

   b. If yes, in addition to the information required in this form, any information requested in Rule 17-2.650 must be submitted.

Attach all supportive information related to any answer of "Yes". Attach any justification for any answer of "No" that might be considered questionable.

SECTION III: AIR POLLUTION SOURCES & CONTROL DEVICES (Other than Incinerators)

A. Raw Materials and Chemicals Used in your Process, if applicable:

Description	Contaminants		Utilization Rate - lbs/hr *	Relate to Flow Diagram
	Type	% Wt		
Stains	VOC	89.3	3.82	2
Sealer	VOC	81.1	2.16	3
Lacquer	VOC	76.2	3.32	4
Thinner	VOC	100.0	2.76	4
Stripper	VOC	100.0	0.54	5

* Based on 1992 usage

B. Process Rate, if applicable: (See Section V, Item 1)

1. **Total Process Input Rate (lbs/hr):** 606.14 (Current rate)
2. **Product Weight (lbs/hr):** 598.45 (Current rate)

C. Airborne Contaminants Emitted: (Information in this table must be submitted for each emission point, use additional sheets as necessary)

Name of Contaminant	Emission[1]		Allowed[2] Emission Rate per Rule 17-2	Allowable[3] Emission lbs/hr	Potential[4] Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
VOC	14.34	22.38	See Attachment C		49,150	24.58	2-5

[1]See Section V, Item 2.

[2]Reference applicable emission standards and units (e.g. Rule 17-2.600(5)(b)2. Table II, E. (1) - 0.1 pounds per million BTU heat input)

[3]Calculated from operating rate and applicable standard.

[4]Emission, if source operated without control (See Section V, Item 3).

D. Control Devices: (See Section V, Item 4)

NA

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (If applicable)	Basis for Efficiency (Section V Item 5)

E. Fuels NA

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	

*Units: Natural Gas--MMCF/hr; Fuel Oils--gallons/hr; Coal, wood, refuse, other--lbs/hr.

Fuel Analysis: NA

Percent Sulfur: _____ Percent Ash: _____

Density: _____ lbs/gal Typical Percent Nitrogen: _____

Heat Capacity: _____ BTU/lb _____ BTU/gal

Other Fuel Contaminants (which may cause air pollution): _____

F. If applicable, indicate the percent of fuel used for space heating.

Annual Average NA Maximum NA

G. Indicate liquid or solid wastes generated and method of disposal.

Waste solvent/wood coating blend is shipped off site to an EPA registered TSD facility. Other solid waste(wood scraps, etc.) are sent to the local landfill.

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack): See Attachment D

Stack Height: _____ ft. Stack Diameter: _____ f

Gas Flow Rate: _____ ACFM _____ DSCFM Gas Exit Temperature: _____ °

Water Vapor Content: _____ % Velocity: _____ F

SECTION IV: INCINERATOR INFORMATION NA

Type of Waste	Type 0 (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq.& Gas By-prod.)	Type VI (Solid By-prod.)
Actual lb/hr Incinerated							
Uncontrolled (lbs/hr)							

Description of Waste _____

Total Weight Incinerated (lbs/hr) _____ Design Capacity (lbs/hr) _____

Approximate Number of Hours of Operation per day _____ day/wk _____ wks/yr. _____

Manufacturer _____

Date Constructed _____ Model No. _____

	Volume $(ft)^3$	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber					
Secondary Chamber					

Stack Height: _____ ft. Stack Diamter: _____ Stack Temp. _____

Gas Flow Rate: _____ ACFM _____ DSCFM* Velocity: _____ FPS

*If 50 or more tons per day design capacity, submit the emissions rate in grains per standard cubic foot dry gas corrected to 50% excess air.

Type of pollution control device: [ ] Cyclone [ ] Wet Scrubber [ ] Afterburner

[ ] Other (specify) _____

Brief description of operating characteristics of control devices: NA

Ultimate disposal of any effluent other than that emitted from the stack (scrubber water, ash, etc.):

NA

NOTE: Items 2, 3, 4, 6, 7, 8, and 10 in Section V must be included where applicable.

SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]

2. To a construction application, attach basis of emission estimate (e.g., design calculations, design drawings, pertinent manufacturer's test data, etc.) and attach proposed methods (e.g., FR Part 60 Methods 1, 2, 3, 4, 5) to show proof of compliance with applicable standards. To an operation application, attach test results or methods used to show proof of compliance. Information provided when applying for an operation permit from a construction permit shall be indicative of the time at which the test was made.

3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).

4. With construction permit application, include design details for all air pollution control systems (e.g., for baghouse include cloth to air ratio; for scrubber include cross-section sketch, design pressure drop, etc.)

5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design data. Items 2, 3 and 5 should be consistent: actual emissions = potential (1-efficiency).

6. An 8 1/2" x 11" flow diagram which will, without revealing trade secrets, identify the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit, where gaseous emissions and/or airborne particles are evolved and where finished products are obtained.

7. An 8 1/2" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area, residences and other permanent structures and roadways (Example: Copy of relevant portion of USGS topographic map).

8. An 8 1/2" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.

9. The appropriate application fee in accordance with Rule 17-4.05. The check should be made payable to the Department of Environmental Regulation.

10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY NA

A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?

[ ] Yes [ ] No

Contaminant	Rate or Concentration

B. Has EPA declared the best available control technology for this class of sources (If yes, attach copy)

[ ] Yes [ ] No

Contaminant	Rate or Concentration

C. What emission levels do you propose as best available control technology?

Contaminant	Rate or Concentration

D. Describe the existing control and treatment technology (if any).

1. Control Device/System:
2. Operating Principles:
3. Efficiency:*
4. Capital Costs:

*Explain method of determining

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Cost:

9. Emissions:

Contaminant	Rate or Concentration

10. Stack Parameters

a. Height: ft.

b. Diameter: ft.

c. Flow Rate: ACFM

d. Temperature: °F.

e. Velocity: FPS

E. Describe the control and treatment technology available (As many types as applicable, use additional pages if necessary).

1.

a. Control Device:

b. Operating Principles:

c. Efficiency:[1]

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:[2]

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

2.

a. Control Device:

b. Operating Principles:

c. Efficiency:[1]

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:[2]

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

[1]Explain method of determining efficiency.
[2]Energy to be reported in units of electrical power - KWH design rate.

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

3.

a. Control Device:

b. Operating Principles:

c. Efficiency:[1]

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:[2]

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

4.

a. Control Device:

b. Operating Principles:

c. Efficiency:[1]

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:[2]

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

F. Describe the control technology selected:

1. Control Device:

2. Efficiency:[1]

3. Capital Cost:

4. Useful Life:

5. Operating Cost:

6. Energy:[2]

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

[1]Explain method of determining efficiency.
[2]Energy to be reported in units of electrical power - KWH design rate.

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:[1]

Contaminant	Rate or Concentration

(8) Process Rate:[1]

b. (1) Company:

(2) Mailing Address:

(3) City: (4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:[1]

Contaminant	Rate or Concentration

(8) Process Rate:[1]

10. Reason for selection and description of systems:

[1]Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION NA

A. Company Monitored Data

1. _____no. sites _____ TSP _____( ) SO^2* _____ Wind spd/dir

Period of Monitoring _____/_____/_____ to _____/_____/_____
month day year month day year

Other data recorded _____

Attach all data or statistical summaries to this application.

*Specify bubbler (B) or continuous (C).

2. Instrumentation, Field and Laboratory

a. Was instrumentation EPA referenced or its equivalent? [ ] Yes [ ] No

b. Was instrumentation calibrated in accordance with Department procedures?

[ ] Yes [ ] No [ ] Unknown

B. Meteorological Data Used for Air Quality Modeling

1. _____ Year(s) of data from ____/____/____ to ____/____/____
month day year month day year

2. Surface data obtained from (location)_____

3. Upper air (mixing height) data obtained from (location)_____

4. Stability wind rose (STAR) data obtained from (location)_____

C. Computer Models Used

1. _____ Modified? If yes, attach description.

2. _____ Modified? If yes, attach description.

3. _____ Modified? If yes, attach description.

4. _____ Modified? If yes, attach description.

Attach copies of all final model runs showing input data, receptor locations, and principle output tables.

D. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate	
TSP	_____	grams/sec
SO^2	_____	grams/sec

E. Emission Data Used in Modeling

Attach list of emission sources. Emission data required is source name, description of point source (on NEDS point number), UTM coordinates, stack data, allowable emissions, and normal operating time.

F. Attach all other information supportive to the PSD review.

G. Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.

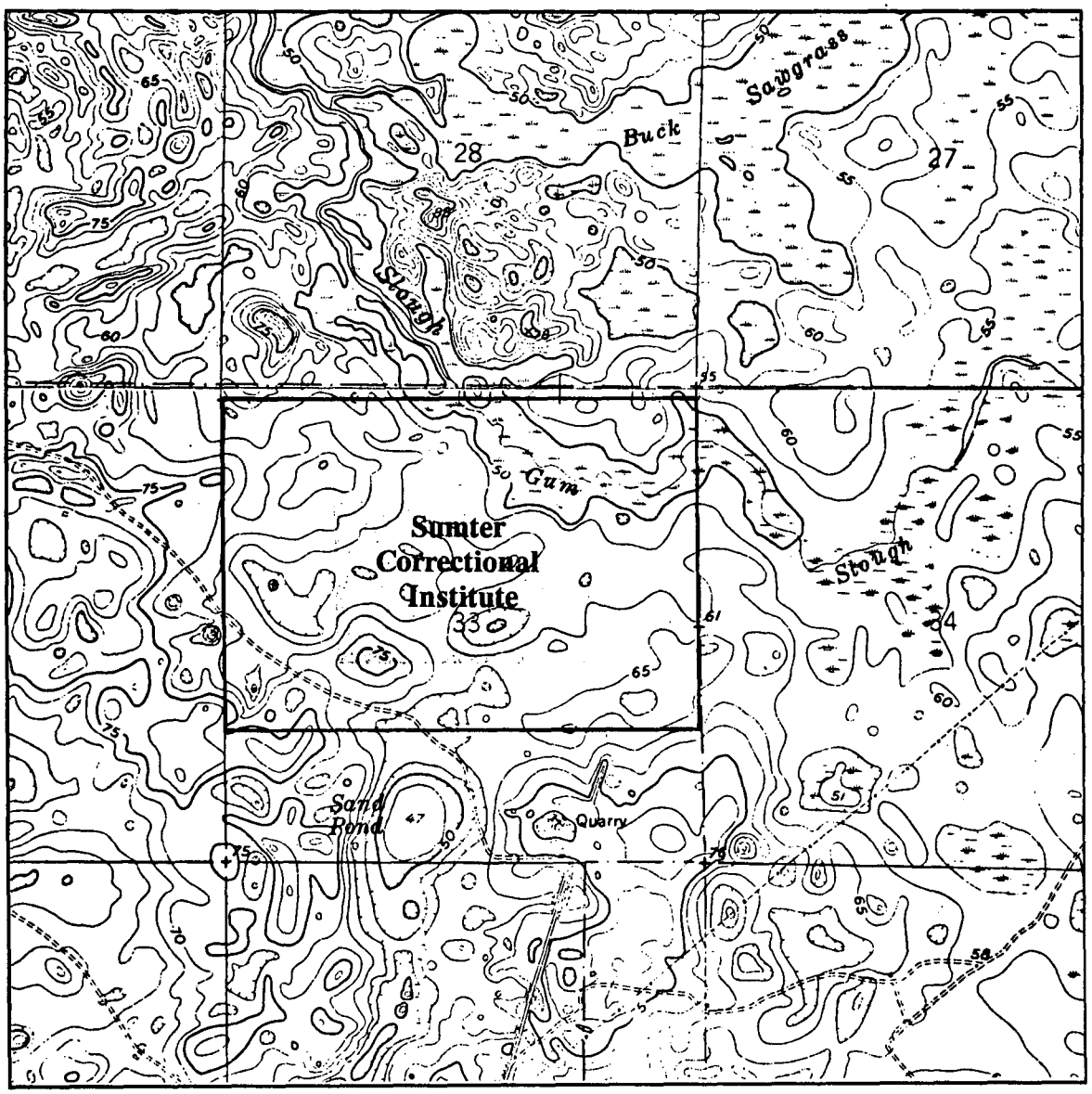
H. Attach scientific, engineering, and technical material, reports, publications, journals, and other competent relevant information describing the theory and application of the requested best available control technology.

ATTACHMENT A

Topographic and Vicinity Maps

Environmental Sciences Group

Topographic Map

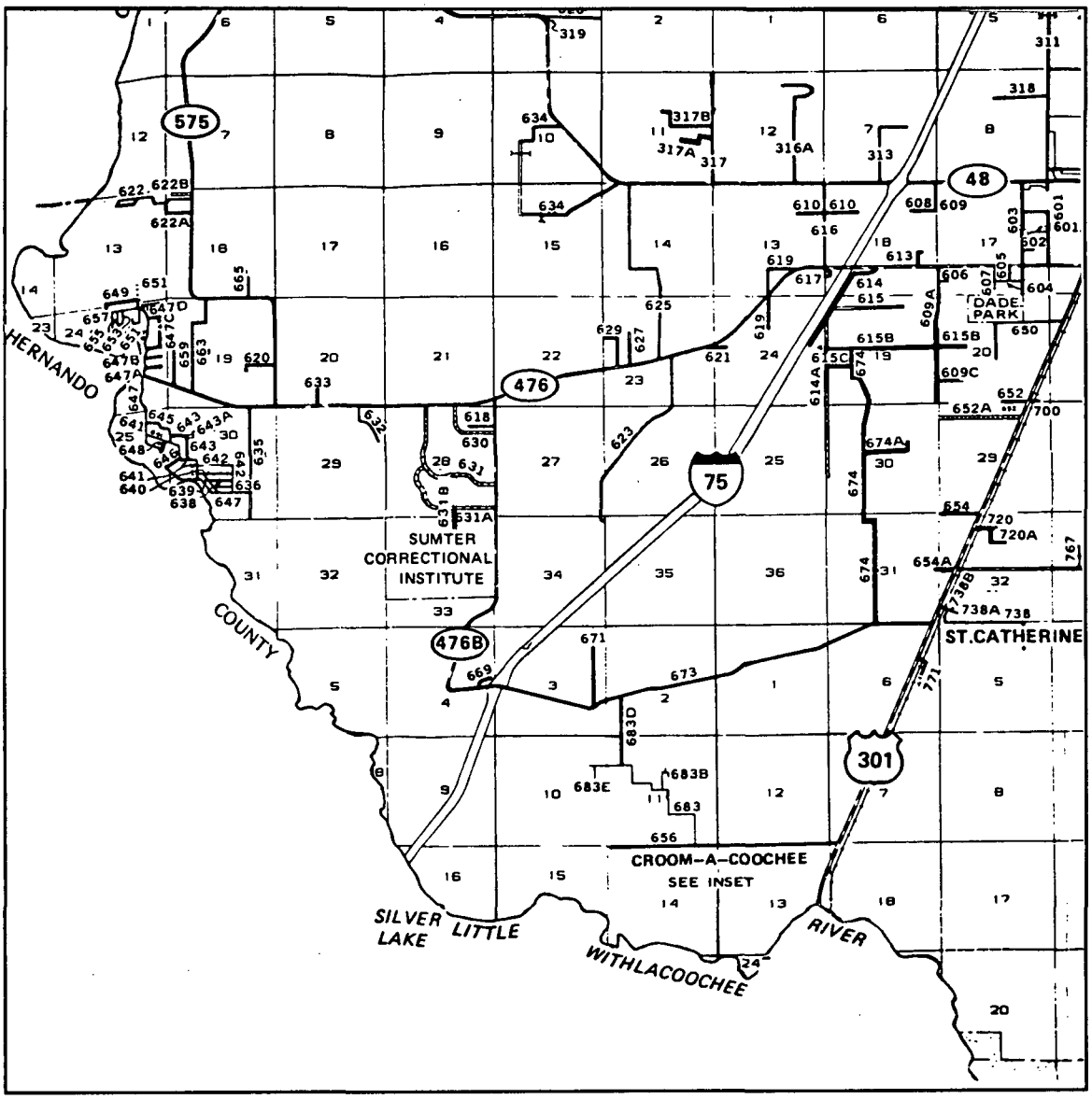


206 West Haya Street
Tampa, Florida 33603
Telephone (813) 237-0676
FAX (813) 238-4655

Please Note: The latest topographic map is 1958 and does not include Sumter Correctional Institue or Interstate 75.

Environmental Sciences Group

Vicinity Map

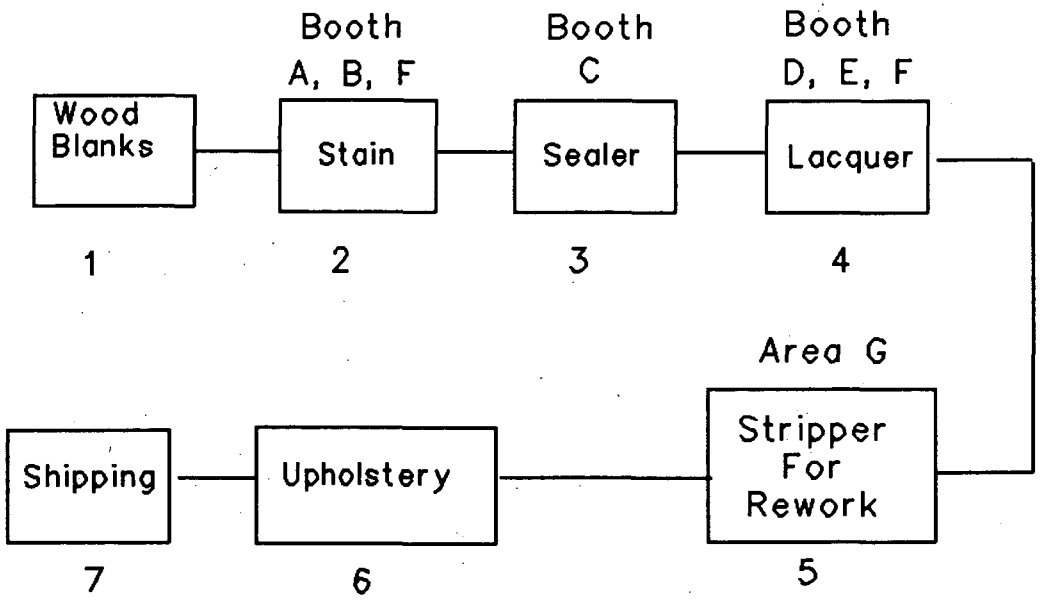


206 West Haya Street
Tampa, Florida 33603
Telephone (813) 237-0676
FAX (813) 238-4655

ATTACHMENT B

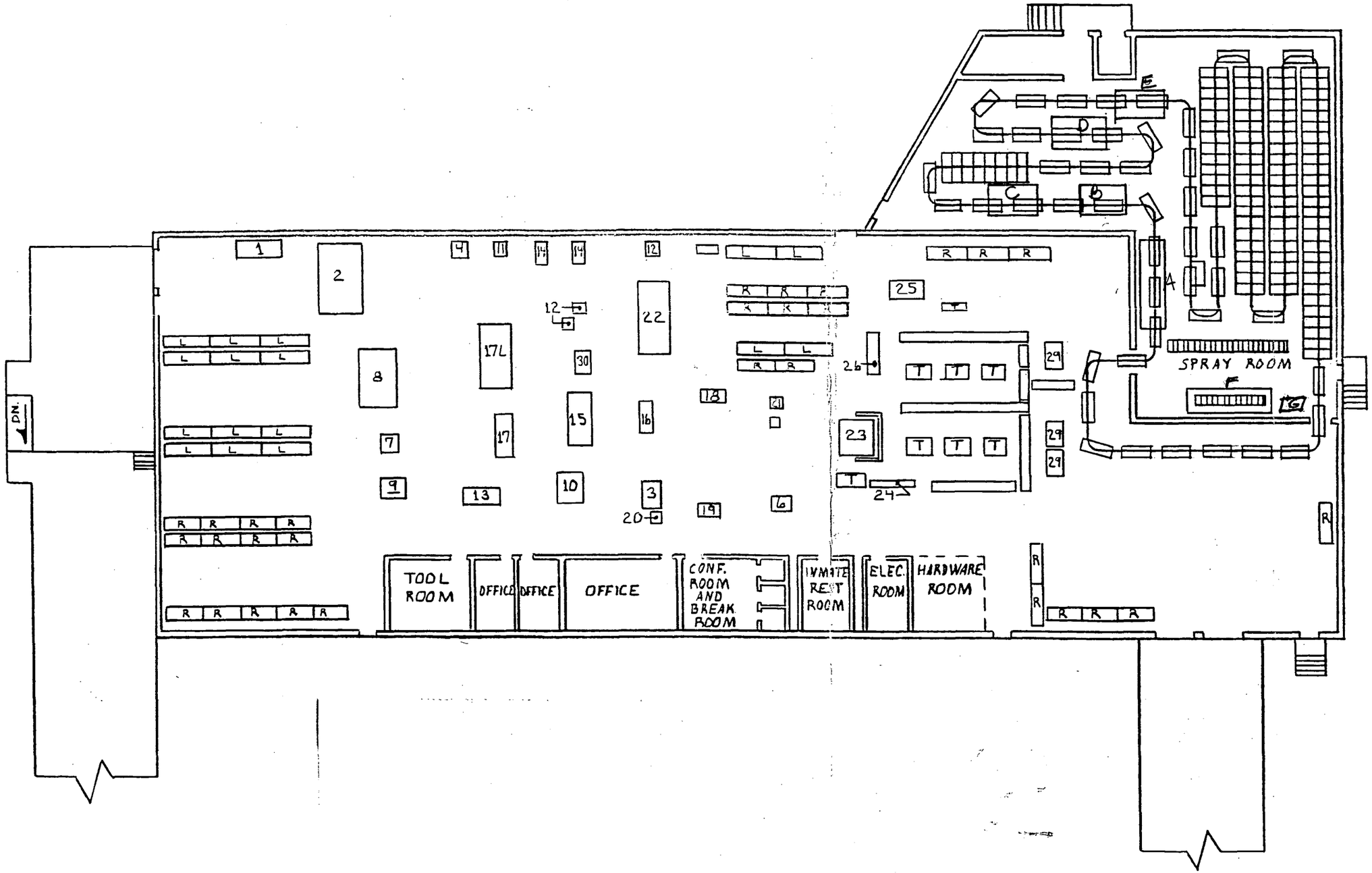
Flow Diagram and Plant Layout

Sumter Correctional Institute



Environmental Sciences Group

Process Diagram



DATE: 3-10-93

DRAWN BY: JAKE G. HERSEY

ATTACHMENT C

Supporting Calculations

ATTACHMENT C

VOC Calculations

Wood Finishing Operation

Sealer

VOC Content = 81.1 % by weight
Density = 7.5 lb/gal

(1110 gal/yr)(7.5 lb/gal)(0.811) = 6,751.6 lb/yr
(6,751.6 lb/yr)(1 T / 2000 lb) = 3.38 T/yr

Stains

VOC Content = 89.3 % by weight
Density = 7.1 lb/gal

(1,880 gal/yr)(7.1 lb/gal)(0.893) = 11,919.8 lb/yr

(11,919.8 lb/yr)(1 T / 2000 lb) = 5.96 T/yr

Lacquer

VOC Content = 76.2 % by weight
Density = 7.5 lb/gal

(1,810 gal/yr)(7.5 lb/gal)(0.762) = 10,344.2 lb/yr
(10,344.2 lb/yr)(1 T / 2000 lb) = 5.17 T/yr

Lacquer Thinner

VOC Content = 100 % by weight
Density = 6.8 lb/gal

(1,265 gal/yr)(6.8 lb/gal)(1) = 8,602.0 lb/yr
(8,602.0 lb/yr)(1 T / 2000 lb) = 4.30 T/yr

Stipper

VOC Content = 100 % by weight
Density = 6.4 lb/gal

(265 gal/yr)(6.4 lb/gal)(1) = 1,696.0 lb/yr
(1,696.0 lb/yr)(1 T / 2000 lb) = 0.85 T/yr

Total VOC = Sealer + Stains + Lacquer + Lacquer Thinner + Stripper

= 3.38 T/yr + 5.96 T/yr + 5.17 T/yr + 4.30 T/yr + 0.85 T/yr

= **19.66 T/yr**

Waste Solvent Mixture Manifested Off-Site = 550 gal/yr
Weight per gallon = 8.0 lb/gal
VOC Content = 80 %
Therefore:

VOC Contained in Waste Solvent (80 %) = (550 gal/yr)(8.0 lb/gal)(0.8)
= 3520 lb/yr

Manifested Off-Site = 3520 lb/yr

= 1.76 T/yr

Total lb VOC/ Emitted in 1992 = (19.66 T/Yr) - (1.76 T/yr)

= 17.90 T VOC/yr

= 35,800 lb VOC/yr

Based on a projected 25% growth per year over the next five years , PRIDE is requesting an emission limit of 22.4 Tons VOC per year. This facility is in Sumter County, Florida and is in an attainment area for VOC. At this emission limit, this facility will be able to meet its production projections over the next five years.
The **requested maximum** rate of emissions is generated below.

E_{max}	=	(35,800 lb VOC/yr) (1.25)	=	44,750 lbVOC/yr
	=	(44,750 lb VOC/yr)/(3,120 hr/yr)	=	14.34 lb/hr
	=	(44,750 lb VOC/yr)(1 Ton/2000lb)	=	22.38 T VOC/yr

Potential Emissions for this document are based on zero waste solvent recycled, i.e., all solvent VOC is emitted. Waste solvent is also calculated based on a 25% increase over the next five years.

E_{pot} = (44,750 lb VOC/yr) + (4,400 lb VOC/yr recycled)	=	49,150 lb VOC/yr
	=	24.58 T VOC/yr

LILLY

MATERIAL SAFETY DATA SHEET

252-C25X

VINYL SEALER

****

****

SECTION III PHYSICAL DATA

Boiling Range: High- 286.0 F Low- 148.1 F
Vapor Pressure: See Section II
Vapor Density: Heavier Than Air
Evaporation Rate: Slower than Ether
Weight per Gallon: 7.5
% Volatile by Weight: 81.08
Appearance: N/A
pH: N/A

****

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flammability Classification: Class 1B DOT: Flammable Liquid
Actual Flashpoint TCC: 16.0 F
Explosion Level: Lower- 1.0 Upper- 36.5
Upper Flammability Limit: N/A
Auto Ignition Temperature: N/A
The National Fire Protection Association Class B extinguisher is designed to extinguish NFPA fires originating from burning liquids.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

UNUSUAL FIRE AND EXPLOSION HAZARD:

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed container may explode when exposed to extreme heat. Do not apply to hot surfaces. Never use welding or cutting torch on or near container (even empty) because product (even residue) may ignite explosively.

HEAT PROTECTION PROCEDURES

Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture.

282-514

CHERRY NO-WIPE STAIN

****

****

SECTION III PHYSICAL DATA

Boiling Range: High- 374.0 F Low- 220.0 F
Vapor Pressure: See Section II
Vapor Density: Heavier Than Air
Evaporation Rate: Slower than Ether
Weight per Gallon: 7.1
% Volatile by Weight: 89.31
Appearance: N/A
pH: N/A

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SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flammability Classification: Class 1B DOT: Flammable Liquid
Actual Flashpoint TCC: 16.0 F
Explosion Level: Lower- .9 Upper- 10.6
Upper Flammability Limit: N/A
Auto Ignition Temperature: N/A
The National Fire Protection Association Class B extinguisher is designed to extinguish NFPA fires originating from burning liquids.
SPECIAL FIRE FIGHTING PROCEDURES
Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.
UNUSUAL FIRE AND EXPLOSION HAZARD:
Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed container may explode when exposed to extreme heat. Do not apply to hot surfaces. Never use welding or cutting torch on or near container (even empty) because product (even residue) may ignite explosively.
HEAT PROTECTION PROCEDURES
Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture.

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This product contains one or more reported teratogens or suspected teratogens which are noted NTP, IARC, or OSHA-Z in the other limits recommended column.

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SECTION III PHYSICAL DATA

Boiling Range: High- 340.0 F Low- 150.0 F
Vapor Pressure: See Section II
Vapor Density: Heavier Than Air
Evaporation Rate: Slower than Ether
Weight per Gallon: 7.5
% Volatile by Weight: 76.16
Appearance: N/A
pH: N/A

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SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flammability Classification: Class 1B DOT: Flammable Liquid
Actual Flashpoint TCC: 40.0 F
Explosion Level: Lower- 1.0 Upper- 12.0
Upper Flammability Limit: N/A
Auto Ignition Temperature: N/A
The National Fire Protection Association Class B extinguisher is designed to extinguish NFPA class 1B flammable liquid fires.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

UNUSUAL FIRE AND EXPLOSION HAZARD:

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed container may explode when exposed to extreme heat. Do not apply to hot surfaces. Never use welding or cutting torch on or near container (even empty) because product (even residue) may ignite explosively.

HEAT PROTECTION PROCEDURES

Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture.

MATERIAL SAFETY DATA SHEET THINNER 04/26/90

DataLogiX Formula Systems Inc.

SECTION I - PRODUCT INDENTIFICATION

Manufacturer: DELTA LABORATORIES INC.
P.O. BOX 2258
3710 N.W. COUNTY HWY. 326
OCALA FL 32675

Information Phone: 904 629 8101
Emergency Phone: 904 629 8101

Product Class: THINNER
Trade Name : LACQUER THINNER
Product Code : 02T001231
C.A.S. Number:

Hazard Ratings: none -> extreme 0 ---- 4
Health - 3
Fire - 3
Reactivity - 0

SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS #	Weight %	Exposure Limits		Vapor Pr. mm Hg
ISOBUTANOL	78-83-1	1-5	50.	ppm	8.8
ISOPROPYL ALCOHOL**	67-63-0	5-20	400.	ppm	33.
METHANOL**	67-56-1	1-5	200.	ppm	96.
2-BUTOXYETHANOL**	111-76-2	1-5	25.	ppm	.6
ISOBUTYL ACETATE	110-19-0	1-5	150.	ppm	12.5
METHYL ISOBUTYL KETONE**	108-10-1	1-5	50.	ppm	15.
TOLUENE**	108-88-3	20-50	100.	ppm	24.
ALIPHATIC HYDROCARBONS	64742-89-8	20-50	200.	ppm	60.
ACETONE**	67-64-1	5-20	750.	ppm	186.
XYLENE**	1330-20-7	5-20	100.	ppm	6.6

SECTION III - PHYSICAL DATA

Boiling Range: 131 - 340 Deg. F
Evap. Rate: Faster than n-Butyl Acetate
Volatiles volume: 100.1 %
Appearance: COLORLESS

Vapor Density: Heavier than Air.
Liquid Density: Lighter than Water.
Wgt per gallon: 6.78 Pounds.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: 1B Flash Point: 0 F tcc LEL : 1.

-EXTINGUISHING MEDIA:

THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CLASSIFIES BURNING LIQUIDS AS CLASS B FIRES. THEREFORE, ANY APPROVED CLASS B FIRE EXTINGUISHER OR EXTINGUISHING AGENT MAY BE USED FOR FIREFIGHTING PURPOSES. FOR EXAMPLE: DRY CHEMICAL, FOAM, CARBON DIOXIDE.

-SPECIAL FIREFIGHTING PROCEDURES:

FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED. WATER SPRAY MAY BE INEFFECTIVE. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILDUP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT.

-UNUSUAL FIRE & EXPLOSION HAZARDS:

*** FLAMMABLE LIQUID *** KEEP CONTAINERS TIGHTLY CLOSED. MATERIAL IS HIGHLY VOLATILE AND READILY GIVES OFF VAPORS WHICH MAY TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION AND CAUSE FLASH FIRES OR BE IGNITED EXPLOSIVELY BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, OR OTHER SOURCES OF IGNITION AT LOCATIONS DIS-

(cont.)

STRIPPER

R1 K 4

MATERIAL SAFETY DATA SHEET

88A

MANUFACTURER'S NAME
THE SHERWIN-WILLIAMS COMPANY
101 Prospect Avenue N.W.
Cleveland, Ohio 44115

EMERGENCY TELEPHONE NO.
(216) 566-2917

DATE OF PREPARATION
25-Jul-88

INFORMATION TELEPHONE NO.
(216) 566-2902

Section I -- PRODUCT IDENTIFICATION

PRODUCT NUMBER
R1 K 4

® - Trade Mark

PRODUCT NAME
Mineral Spirits

PRODUCT CLASS
Reducer

Section II -- HAZARDOUS INGREDIENTS

CAS No.	Ingredients	% by Weight	ACGIH-TLV	OSHA-PEL	Units	V.P.
64742-47-8	Mineral Spirits.	100	100	500	PPM	2.0

Section III -- PHYSICAL DATA

EVAPORATION RATE -- Slower than Ether
VAPOR DENSITY -- Heavier than Air

BOILING RANGE	VOLATILE VOLUME	WT/GAL	VOC (Theoretical)
300-395 F	100.0 %	6.35 lb.	6.35 lb. 761 gm.

Section IV -- FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION FLASH POINT 105 F TCC LEL 1.0

Combustible, Flash above 99 and below 200 F

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section V -- HEALTH HAZARD DATA

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

Continued on page 2

ATTACHMENT D

Vent Descriptions

PRIDE FURNITURE
Sumter Correctional Institute
Vent Descriptions

Vent #	Height (above ground)	Diameter	Flow Rate (CFM)	Flow Rate (FPS)	Equipment Serviced
A - 1	20 feet	1.5 foot	2,500	23.6	Spray Booth A
A - 2	20 feet	1.5 foot	2,500	23.6	Spray Booth A
B - 1	20 feet	2.0 feet	10,040	53.3	Spray Booth B
B - 2	20 feet	2.0 feet	10,040	53.3	Spray Booth B
C - 1	20 feet	1.5 feet	6,270	59.1	Spray Booth C
C - 2	20 feet	2.0 feet	6,270	33.3	Spray Booth C
D - 1	20 feet	2.0 feet	8,780	46.6	Spray Booth D
D - 2	20 feet	2.0 feet	8,780	46.6	Spray Booth D
E - 1	20 feet	2.0 feet	10,040	53.3	Spray Booth E
E - 2	20 feet	2.0 feet	10,040	53.3	Spray Booth E
F - 1	20 feet	2.0 feet	10,040	53.3	Spray Booth F
F - 2	20 feet	2.0 feet	10,040	53.3	Spray Booth F

Please Note: All gas exit temperatures are at ambient and the estimated mositure in the stacks is 3 %.