

**Section III: Other Technology    Application No.: 323199**  
**Equipment Category – Flow Coater, Dip Tank and Roller Coater**

<b>1. GENERAL INFORMATION</b>		DATE: 5/5/1999
A. MANUFACTURER: Mid State Industrial, Inc		
B. TYPE: Not Applicable	C. MODEL: MSI-13-18-8-12-T-CH, MSI-12-8-12-T-CH, MSI-887-LH, and MSI-1697UV. (See Note #1 in Section 6 - Comments)	
D. STYLE: Not Applicable		
E. APPLICABLE AQMD REGULATION XI RULES: AQMD Rule 1136 - Wood Products Coatings AQMD Rule 1171 - Solvent Cleaning Operations		
F. COST: \$160000 (1996)	SOURCE OF COST DATA: Owner/Operator	
G. OPERATING SCHEDULE:	16 HRS/DAY	6 DAYS/WK      52 WKS/YR

<b>2. EQUIPMENT INFORMATION</b>		APP. NO.: 323199
A. FUNCTION: Wood and plastic foam flat stock are coated with UV sealers/topcoats using roller coaters and spray guns for the manufacture of wood furniture.		
B. SIZE/DIMENSION/CAPACITY: Rollercoater, Hymmen Combicoater Rollercoater, Hymmen Direct Coater Ultraviolet SealerCure Section (Automatic Spray Booth) 14'-6" W. x 12'-0" L. x 12'-0" H. (2 - Touch-up Spray Booths) 8'-0" W. x 9'-0" L. x 8'-0" H. (See Note #2 in Section 6 - Comments) (Ultraviolet Cure Section) 9'-0" W. x 16'-0" L. x 7'-0" H., 1.8 KW (Natural Gas-Fired Oven) 9'-0" W. x 8'-0" L. x 7'-0" H., 500 BTU/Hr.		
C. BLOWERS: (Automatic Spray Booth) 1 @ 5HP  (Touch-up Spray Booth) 1 @ 2HP  (See Note #2 in Section 6)	D. TOTAL FLOW RATE: scfm	
E. MATERIAL STORED/PROCESSED/HANDLED: UV Sealers and Topcoats.		
F. THROUGHPUT/PROCESS RATE/USAGE RATE: UV Sealers - 4 gal/day and Topcoats - 8 gal/day		

<b>3. COMPANY INFORMATION</b>		APP. NO.: 323199
A. NAME: Sandberg Furniture Mfg. Co. Inc.		
B. ADDRESS: 3251 E. Slauson Avenue, CITY: Los Angeles      STATE: CA      ZIP: 90058		
C. CONTACT PERSON: Phillip Sweet	D. PHONE NO.: (213) 582-0711	

<b>4. PERMIT INFORMATION</b>		APP. NO.: 323199
A. AGENCY: SCAQMD		
B. AGENCY CONTACT PERSON: Alice Santos	C. PHONE NO.: (909) 396-2601	

D. PERMIT TO CONSTRUCT INFORMATION: P/C NO.: (Installed without a P/C) ISSUANCE DATE:

E. START-UP DATE: 1995

F. PERMIT TO OPERATE INFORMATION: P/O NO.: F5476 ISSUANCE DATE: 2/21/1997

**5. EMISSION INFORMATION** APP. NO.: 323199

**A. PERMIT**

A1. PERMIT LIMIT: VOC = 1689 lb/day. (See Note #3 in Section 6 - Comments)

A2. BACT/LAER DETERMINATION: This permit application was submitted to modify an existing UV coating and drying system by the addition of two roller coaters and a UV curing section. The proposed modification did not cause an emission increase and was not subject to BACT. See Application Number 299976 for spray booth.

**B. CONTROL TECHNOLOGY**

B1. MANUFACTURER/SUPPLIER:

B2. TYPE: Process Modification

B3. DESCRIPTION: The VOC content of the UV sealers and topcoats is less than or equal to 0.03% by weight. The use of any material containing no more than 5% by weight VOC is generally considered BACT/LAER in lieu of add-on controls.

B4. CONTROL EQUIPMENT PERMIT APPLICATION DATA: P/C NO.: Not Applicable ISSUANCE DATE:  
P/O NO.: Not Applicable ISSUANCE DATE:

B5. WASTE AIR FLOW TO CONTROL EQUIPMENT: FLOW RATE: Not Applicable  
ACTUAL CONTAMINANT LOADING: Not Applicable BLOWER HP: HP

B6. WARRANTY: Not Applicable

B7. PRIMARY POLLUTANTS: VOC

B8. SECONDARY POLLUTANTS: None

B9. SPACE REQUIREMENT: Not Applicable

B10. LIMITATIONS: The UV coatings are applied to flat panels prior to assembly. They are not used for 3D objects at this facility.

B11. LOCATION OF PRIOR DEMONSTRATION & AGENCY:  
FACILITY: Not Applicable  
CONTACT PERSON: Not Applicable PHONE NO.: Not Applicable  
AGENCY: Not Applicable  
ADDRESS: Not Applicable  
CONTACT PERSON: Not Applicable PHONE NO.: Not Applicable

B12. OPERATING HISTORY: Not Applicable

B13. SOURCE TEST/PERFORMANCE DATA ANALYSIS:  
DATE OF SOURCE TEST: Not Applicable CAPTURE EFFICIENCY: Not Applicable  
DESTRUCTION EFFICIENCY: Not Applicable OVERALL EFFICIENCY: Not Applicable  
PERFORMANCE DATA: Not Applicable

B14. SOURCE TEST CONDITIONS/PERFORMANCE DATA: Not Applicable

**C. COST**

C1. CONTROL EQUIPMENT COST:  CHECK IF INSTALLATION COST IS INCLUDED IN CAPITAL COST  
CAPITAL: \$ (Not Applicable) INSTALLATION: \$(Not Applicable) ( ) SOURCE OF COST DATA:

C2. ANNUAL OPERATIONAL/MAINTENANCE COST: \$(Not Applicable) ( ) SOURCE OF COST DATA:

### D. DEMONSTRATION OF COMPLIANCE

D1. STAFF PERFORMING FIELD EVALUATION:

ENGINEER'S NAME:

INSPECTOR'S NAME:

DATE:

D2. COMPLIANCE DEMONSTRATION: Based on the Material Safety Data Sheet (MSDS), and staff telephone conversation with the preparer of the MSDS (Mr. Luc Pepin) on May 7, 1999, the VOC content of either the UV sealers or topcoats is less than or equal to 0.03% by weight.

D3. VARIANCE: NO. OF VARIANCES: 0 DATES:

CAUSES: Not Applicable

D4. VIOLATION: NO. OF VIOLATIONS: 0 DATES:

CAUSES: Not Applicable

D5. FREQUENCY OF MAINTENANCE: Not Known

### 6. COMMENTS

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1. The equipment model described in Section 1c identifies the models for automatic spray booth, touch-up spray booth, ultraviolet cure section, and an oven.
2. The owner/operator of this process informed staff on May 7, 1999 in a telephone conversation that the Touch-up spray booths are no longer needed.
3. The permit limit in Section 5A1 is a facility-wide VOC emissions limit. This limit is not related to BACT determination.
4. The use of any material containing no more than 5% by weight VOC is generally considered BACT/LAER in lieu of add-on controls.