2003 Air Emissions Inventory Summary Report
State of Wisconsin Department of Natural Resources
Bureau of Air Management

WDNR Facility Identification Number: [redacted]
Facility Name: [redacted]
Facility Location: [redacted]
Facility Address: [redacted]
Facility Air Contact: [redacted]

Example
No certification

Please read the enclosed information booklet, and then if necessary, call your Wisconsin DNR regional air contact:

Mike Sloat

P.O. Box 281

Reedsburg, WI 53959

(608) 963-1407

Michael.Sloat@dnr.state.wi.us

****
* *
* THIS FACILITY IS NOT REQUIRED TO CERTIFY EMISSIONS *
* *
****

2003 Air Emissions Inventory Summary Report
State of Wisconsin Department of Natural Resources
Bureau of Air Management

2003 Air Emissions Inventory Summary Report
State of Wisconsin Department of Natural Resources
Bureau of Air Management

[redacted]

DNR Region: South Central
County: COLUMBIA
SIC Code: 5712 -- Furniture stores

Startup Date:

#Employees 20 EACH

UTM Zone: UTM X: UTM Y:

Mike Sloat
DNR Emission Inventory Contact

(608) 963-1407
P.O. Box 281
Reedsburg WI 53959
Michael.Sloat@dnr.state.wi.us

[redacted]

[redacted]

[redacted]

2003 Air Emissions Inventory Summary Report
State of Wisconsin Department of Natural Resources
Bureau of Air Management

****
****

C01 CONTROL CONTROL FOR PARTICULATE MATTER FROM SPRAY BOOTHS

Installation Date:

INCOMING CONNECTIONS (other devices that send emissions to this device):
P01 -----> C01 (P01 is a SPRAY BOOTH - SPRAY BOOTH)

OUTGOING CONNECTIONS (other devices that receive emissions from this device):
C01 -----> S01 (S01 is a STACK - STACK FOR C01)

****

C01, Process 01 CONTROLLING

Primary Material:

Control Efficiency	97.5 WT%	PM
Control Efficiency	97.5 WT%	PM10

OUTGOING EMISSION DISTRIBUTION
C01 - 01 -----> S01 - 01 100% of the emissions

****
****

P01 SPRAY BOOTH SPRAY BOOTH

Installation Date:

OUTGOING CONNECTIONS (other devices that receive emissions from this device):
P01 -----> C01 (C01 is a CONTROL - CONTROL FOR PARTICULATE MATTER FROM SPRAY BOOTHS)

****

P01, Process 01 COATING

SCC:	40201903
Primary Material:	VARNISH

Hours/Day	10 HR/DAY
Days/Week	5 DAY/WK
Days/Year	254 DAY/YR

1st qtr % of operation (Jan-Mar)	25.0 %
2nd qtr % of operation (Apr-Jun)	25.0 %
3rd qtr % of operation (Jul-Sep)	25.0 %
4th qtr % of operation (Oct-Dec)	25.0 %

THRUPUT

Annual Throughput	1411	GAL	VARNISH
Avg Hourly Thruput	0.5555118110	GAL/HR	VARNISH
Max Hourly Thruput	0.45	GAL/HR	VARNISH

EMISSION FACTORS

ROG	4.1700 LB / GAL	of VARNISH	MSDS

2003 Air Emissions Inventory Summary Report
State of Wisconsin Department of Natural Resources
Bureau of Air Management

CRITERIA EMISSIONS	NR438 Threshold	Uncontrolled/YR	Controlled/YR	Typ Ozone/DAY
ROG	3.00 TON	2.942 TON	2.942 TON	22.630 LB

HAP EMISSIONS
[none]

OUTGOING EMISSION DISTRIBUTION
P01 - 01 -----> C01 - 01 100% of the emissions

****

P01, Process 02 COATING

SCC: 40201903
Primary Material: STAIN

Hours/Day 10 HR/DAY
Days/Week 5 DAY/WK
Days/Year 254 DAY/YR

1st qtr % of operation (Jan-Mar) 25.0 %
2nd qtr % of operation (Apr-Jun) 25.0 %
3rd qtr % of operation (Jul-Sep) 25.0 %
4th qtr % of operation (Oct-Dec) 25.0 %

THRUPUT

Annual Throughput	886 GAL	STAIN
Avg Hourly Thruput	0.3488188976 GAL/HR	STAIN
Max Hourly Thruput	0.5 GAL/HR	STAIN

EMISSION FACTORS
ROG 6.5800 LB / GAL of COATING MSDS
Emission factor same as in 2001, inserted 3/6/03 Mike Sloat

CRITERIA EMISSIONS	NR438 Threshold	Uncontrolled/YR	Controlled/YR	Typ Ozone/DAY
ROG	3.00 TON	2.915 TON	2.915 TON	22.422 LB

HAP EMISSIONS
[none]

OUTGOING EMISSION DISTRIBUTION
P01 - 02 -----> C01 - 01 100% of the emissions

****

P01, Process 03 COATING

SCC: 40201903
Primary Material: Xylene, mixed isomers (Xylol)

Hours/Day 10 HR/DAY
Days/Week 5 DAY/WK
Days/Year 254 DAY/YR

1st qtr % of operation (Jan-Mar) 25.0 %
2nd qtr % of operation (Apr-Jun) 25.0 %
3rd qtr % of operation (Jul-Sep) 25.0 %
4th qtr % of operation (Oct-Dec) 25.0 %

THRUPUT

Annual Throughput	275 GAL	XYLENES ISO
Avg Hourly Thruput	0.1082677165 GAL/HR	XYLENES ISO
Max Hourly Thruput	0.1 GAL/HR	XYLENES ISO

EMISSION FACTORS

2003 Air Emissions Inventory Summary Report
State of Wisconsin Department of Natural Resources
Bureau of Air Management

ROG		7.1700 LB / GAL	of XYLENES ISO	MSDS
XYLENES ISO		7.1700 LB / GAL	of XYLENES ISO	MSDS

CRITERIA EMISSIONS	NR438 Threshold	Uncontrolled/YR	Controlled/YR	Typ Ozone/DAY
ROG	3.00 TON	0.986 TON	0.986 TON	7.583 LB

HAP EMISSIONS	NR438 Threshold	Actual/YR
Xylene, mixed isomers (Xylol)	6,000.00 LB	1,971.750000 LB

OUTGOING EMISSION DISTRIBUTION
P01 - 03 -----> C01 - 01 100% of the emissions

****

P01, Process 04 **COATING**

SCC:	40201903
Primary Material:	CATALYST
Hours/Day	10 HR/DAY
Days/Week	5 DAY/WK
Days/Year	254 DAY/YR
1st qtr % of operation (Jan-Mar)	25.0 %
2nd qtr % of operation (Apr-Jun)	25.0 %
3rd qtr % of operation (Jul-Sep)	25.0 %
4th qtr % of operation (Oct-Dec)	25.0 %

THRUPUT		
Annual Throughput	86 GAL	CATALYST
Avg Hourly Thruput	0.0338582677 GAL/HR	CATALYST
Max Hourly Thruput	0.04 GAL/HR	CATALYST

EMISSION FACTORS				
ROG		4.7500 LB / GAL	of CATALYST	MSDS

CRITERIA EMISSIONS	NR438 Threshold	Uncontrolled/YR	Controlled/YR	Typ Ozone/DAY
ROG	3.00 TON	0.204 TON	0.204 TON	1.571 LB

HAP EMISSIONS
[none]

OUTGOING EMISSION DISTRIBUTION
P01 - 04 -----> C01 - 01 100% of the emissions

****
****

S01 STACK **STACK FOR C01**

Installation Date:

Stack Height	40 FT
Stack Diameter	1 FT

INCOMING CONNECTIONS (other devices that send emissions to this device):
C01 -----> S01 (C01 is a CONTROL - CONTROL FOR PARTICULATE MATTER FROM SPRAY BOOTHS)

2003 Air Emissions Inventory Summary Report
State of Wisconsin Department of Natural Resources
Bureau of Air Management

****

S01, Process 01 DISCHARGING

Hours/Day	10 HR/DAY
Days/Week	5 DAY/WK
Days/Year	254 DAY/YR

EXHAUST/RELEASE DATA

Normal Exhaust Rate	1000 FT3/MIN
Max Exhaust Rate	1000 FT3/MIN
Normal Exhaust Temp	70 F
Max Exhaust Temp	70 F

OUTGOING EMISSION DISTRIBUTION

S01 - 01 -----> Exhaust 100% of the emissions

****

* *

* C O N N E C T I O N S U M M A R Y *

* *

****

P01 --> C01 --> S01

****

* *

* E M I S S I O N F L O W S U M M A R Y *

* *

****

P01-01 --> C01-01 --> S01-01 --> outside

P01-02 --> C01-01 --> S01-01 --> outside

P01-03 --> C01-01 --> S01-01 --> outside

P01-04 --> C01-01 --> S01-01 --> outside

****

* *

* D E V I C E A N D P R O C E S S L I S T *

* *

****

Device ID	Device Code	Device Name
Process ID	Process Code	Process Name

2003 Air Emissions Inventory Summary Report
State of Wisconsin Department of Natural Resources
Bureau of Air Management

C01	CONTROL	CONTROL FOR PARTICULATE MATTER FROM SPRAY BOOTHS
01	CONTROLLING	
P01	SPRAY BOOTH	SPRAY BOOTH
01	COATING	
02	COATING	
03	COATING	
04	COATING	
S01	STACK	STACK FOR C01
01	DISCHARGING	

****
* *
* C R I T E R I A E M I S S I O N S I N D E X *
* *
****

ANNUAL ACTUAL EMISSIONS

ID	Page	PM	SO2	NOX	ROG	CO	PM10
P01-01	2				2.942 TON		
P01-02	3				2.915 TON		
P01-03	3				0.986 TON		
P01-04	4				0.204 TON		

2003 Air Emissions Inventory Summary Report
State of Wisconsin Department of Natural Resources
Bureau of Air Management

FACILITY EMISSIONS SUMMARY

CRITERIA EMISSIONS	NR438 Threshold	Uncontrolled/YR	Controlled/YR	Typ Ozone/DAY
ROG	3.00 TON	7.047 TON	7.047 TON	54.207 LB

HAP EMISSIONS	NR438 Threshold	Actual/YR
Xylene, mixed isomers (Xylol)	6,000.00 LB	1,971.750000 LB

2003 Air Emissions Inventory Summary Report
State of Wisconsin Department of Natural Resources
Bureau of Air Management

2003 Air Emissions Inventory Summary Report
State of Wisconsin Department of Natural Resources
Bureau of Air Management

DNR may post information from the Facility Emissions Summary above on the Internet in various formats.
This fall the following information for your facility will be placed on a webpage designed to show emission trends.

[redacted]

Material	Value	Unit
CO	0	TONS
NOX	0	TONS
PM	0	TONS
PM10	0	TONS
ROG	7	TONS
SO2	0	TONS