

SMTV FER/EIS Emissions Report (200584) for 2010
TRI-COUNTY FURNITURE
1431484126
January 27, 2011

- **Attachments**

Description	Type	Public Document	Trade Seceret Document	Trade secret Justification
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- **Notes**

User Name	Date	Note
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Report Pollutant Summary: Total Emissions (Tons)

Unit	SCC Id	PM-CON	SO2	NOX	OC	7439921	PM-FIL	PM10-FIL	PM25-FIL	VOC	NH3	CO
K001	4-02-019-01	0.	0.	0.	1.52	0.	0.	0.	0.	1.52	0.	0.
P001	4-01-003-02	0.	0.	0.	5.41	0.	0.	0.	0.	5.41	0.	0.
Total		0.	0.	0.	6.93	0.	0.	0.	0.	6.93	0.	0.

Emission Unit Summary: K001

Oct 7 2011, 11:26:57

Emissions Unit ID: K001

Detailed Reporting

DAPC Description:

- Unit Emissions

Pollutant	Code	\$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON		0.	0.	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0.	0.	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0.	0.	0.	TONs	
Organic Compounds	OC	X	0	1.52	1.52	TONs	
Pb - Lead	7439921	X	0.	0.	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.	0.	0.	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	0.	0.	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	0.	0.	TONs	
VOC - Volatile Organic Compounds	VOC		0	1.52	1.52	TONs	
Ammonia	NH3		0.	0.	0.	TONs	
CO - Carbon Monoxide	CO		0.	0.	0.	TONs	
Total of Chargable Pollutants					1.52	TONS	

- Processes

- Process & Emissions Detail

Name: Spray Booth

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

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 8

Days Per Week: 5

Weeks Per Year: 50

Hours Per Year: 2000

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Solvent in Coating	Used	1.52	TONs

- **Process Emissions**

Pollutant	Code	\$ Method Used	Hours UnCont	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Unit s	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	factor:ENG . JUDGEMENT	0	0.	0.	0.	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X factor:ENG . JUDGEMENT	0	0.	0.	0.	0.	TONs	
NOx - Nitrogen Oxides	NOX	X factor:ENG . JUDGEMENT	0	0.	0.	0.	0.	TONs	
Organic Compounds	OC	X emissions: MAT. BALANCE			0	1.52	1.52	TONs	15 gal. cleanup x 6.62 lb/gal = 99.3 lb/yr 491.94 gal. coatings x 5.972 lb/gal average coating = 2,937.9 lb/yr Total: 99.3 + 2,937.9 = 3,037 lb/yr = 1.52 tpy
Pb - Lead	7439921	X factor:ENG . JUDGEMENT	0	0.	0.	0.	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X factor:ENG . JUDGEMENT	0	0.	0.	0.	0.	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	factor:ENG . JUDGEMENT	0	0.	0.	0.	0.	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	factor:ENG . JUDGEMENT	0	0.	0.	0.	0.	TONs	
VOC - Volatile Organic Compounds	VOC	emissions: MAT. BALANCE			0	1.52	1.52	TONs	15 gal. cleanup x 6.62 lb/gal = 99.3 lb/yr 491.94 gal. coatings x 5.972 lb/gal average coating = 2,937.9 lb/yr

										Total: 99.3 + 2,937.9 = 3,037 lb/yr = 1.52 tpy
Ammonia	NH3	factor:ENG . JUDGEMENT	0	0.	0.	0.	0.	0.	TONs	
CO - Carbon Monoxide	CO	factor:ENG . JUDGEMENT	0	0.	0.	0.	0.	0.	TONs	
Total of Chargable Pollutants								1.52	TONS	

Emission Unit Summary: P001

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Detailed Reporting

DAPC Description:

- Unit Emissions

Pollutant	Code	\$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON		0.	0.	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0.	0.	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0.	0.	0.	TONs	
Organic Compounds	OC	X	0	5.41	5.41	TONs	
Pb - Lead	7439921	X	0.	0.	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.	0.	0.	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	0.	0.	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	0.	0.	TONs	
VOC - Volatile Organic Compounds	VOC		0	5.41	5.41	TONs	
Ammonia	NH3		0.	0.	0.	TONs	
CO - Carbon Monoxide	CO		0.	0.	0.	TONs	
Total of Chargable Pollutants					5.41	TONS	

The following Hazardous Air Pollutant information was developed using Ohio EPA-generated hazardous air pollutant emission calculations. The values may be provided to USEPA by Ohio EPA as part of Ohio EPA's federal grant commitments. You may modify these Ohio EPA-generated hazardous air pollutant emission calculations, at the process level, if you have more accurate information. There is no certification of these values as part of the emissions report submission.

Pollutant	Code	Fugitive Amount	Stack Amount	Total	Units
Methylene Chloride (Dichloromethane)	75092	0	4.34	4.34	TONs

- Processes

- Process & Emissions Detail

Name: Wood Stripping

Source Classification Code (SCC): 4-01-003-02

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 8

Days Per Week: 5

Weeks Per Year: 50

Hours Per Year: 2000

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Solvent	Consumed	1.99	TONs

- **Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	factor:ENG . JUDGEMENT	2000	0.	0.	0.	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X factor:ENG . JUDGEMENT	2000	0.	0.	0.	0.	TONs	
NOx - Nitrogen Oxides	NOX	X factor:ENG . JUDGEMENT	2000	0.	0.	0.	0.	TONs	
Organic Compounds	OC	X emissions:MAT. BALANCE			0	5.41	5.41	TONs	1,100 gal F14 stripper @ 9.63 lb/gal = 10,593 lb/yr 24 gal Klean Strip @ 9.82 lb/gal = 235.7 lb/yr Total: 10,593 + 235.7 = 10,828.7 lb/yr = 5.41 tpy
Pb - Lead	7439921	X factor:ENG . JUDGEMENT	2000	0.	0.	0.	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X factor:ENG . JUDGEMENT	2000	0.	0.	0.	0.	TONs	
PM10 (Filt) - Primary PM10,	PM10-FIL	factor:ENG . JUDGEMENT	2000	0.	0.	0.	0.	TONs	

Filterable Portion Only		JUDGEMENT								
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	factor:ENG . JUDGEMENT	2000	0.	0.	0.	0.	TONs		
VOC - Volatile Organic Compounds	VOC	emissions: MAT. BALANCE			0	5.41	5.41	TONs	1,100 gal F14 stripper @ 9.63 lb/gal = 10,593 lb/yr 24 gal Klean Strip @ 9.82 lb/gal = 235.7 lb/yr Total: 10,593 + 235.7 = 10,828.7 lb/yr = 5.41 tpy	
Ammonia	NH3	factor:ENG . JUDGEMENT	2000	0.	0.	0.	0.	TONs		
CO - Carbon Monoxide	CO	factor:ENG . JUDGEMENT	2000	0.	0.	0.	0.	TONs		
Total of Chargable Pollutants							5.41	TONS		

The following Hazardous Air Pollutant information was developed using Ohio EPA-generated hazardous air pollutant emission calculations. The values may be provided to USEPA by Ohio EPA as part of Ohio EPA's federal grant commitments. You may modify these Ohio EPA-generated hazardous air pollutant emission calculations, at the process level, if you have more accurate information. There is no certification of these values as part of the emissions report submission.

Process Emissions

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
Methylene Chloride (Dichloromethane)	75092	emissions: MAT. BALANCE			0	4.34	4.34	TONs	1,100 gal F14 stripper @ 7.704 lb/gal = 8,474.4 lb/yr 24 gal Klean Strip @ 8.35 lb/gal = 200.3 lb/yr Total: 8,474.4 + 200.3 = 8,674.7 lb/yr = 4.34 tpy