

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

### AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates*</u>	
			lb/hr	TPY

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 5900

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

### AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates*</u>	
			lb/hr	TPY
Stack-1	Main Stack	VOC	0.49	1.59
		PM <sub>10</sub>	0.66	2.28
		NO <sub>x</sub>	8.31	28.87
		SO <sub>2</sub>	0.06	0.18
		CO	7.24	25.17
		NH <sub>3</sub>	0.01	0.03
		Formaldehyde	1.11	4.74
Fan 1-5	Roof Fans	VOC	<0.01	<0.10
		NH <sub>3</sub>	<0.01	<0.10
		Formaldehyde	<0.01	<0.02
Fan 6-14	Roof Fans	VOC	<0.01	<0.10
		NH <sub>3</sub>	<0.01	<0.10
		Formaldehyde	<0.01	<0.03
FBEXH-1	Formbox Exhaust (Line 1)	PM	0.37	1.60
Former-1A	Mat Former Exhaust (Line 1)	PM	0.08	0.40

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lb/hr	TPY
Former-1B	Mat Former Exhaust (Line 1)	PM	0.08	0.40
Former-1C	Mat Former Exhaust (Line 1)	PM	0.08	0.40
LOVAC-1	Low Vacuum (Line 1)	VOC	<0.01	<0.10
		NH <sub>3</sub>	<0.01	<0.10
		Formaldehyde	<0.01	<0.01
HIVAC-1	High Vacuum (Line 1)	VOC	<0.01	<0.10
		NH <sub>3</sub>	<0.01	<0.10
		Formaldehyde	<0.01	<0.01
VACEXH-1	Vacuum Exhaust (Line 2)	VOC	<0.01	<0.10
		NH <sub>3</sub>	<0.01	<0.10
		Formaldehyde	<0.01	<0.01
		PM 1.66	7.10	
BLOWER-1	Line 2 Former/Saturator Blower Exhaust Stack	VOC	<0.01	<0.10
		NH <sub>3</sub>	<0.01	<0.10
		Formaldehyde	<0.01	<0.01
COATED SUBSTRATE LINE				
STMBOIL	Boiler	PM <sub>10</sub>	0.02	0.07
		VOC	0.02	0.05
		NO <sub>x</sub>	0.10	0.82
		SO <sub>2</sub>	<0.01	0.01
		CO	0.16	0.69
DRYEROVEN	Dryer /Oven and IR Burner	VOC	0.03	0.13
		PM	0.04	0.18
		NO <sub>x</sub> 0.48	2.50	
		CO 0.44	1.90	
		SO <sub>x</sub> <0.01	0.02	
		NH <sub>3</sub> 0.02	0.02	
		Formaldehyde	0.20	0.43

BHEX-1	Building Roof Vent for Baghouse 1, 2, and Bin Vent Filter Exhaust	PM <sub>10</sub>	0.09	0.20
COATEXH-1 (8 Roof Fans)	Coated Substrate (4) Production Line	VOC	0.25	0.79
		PM	0.03	0.08
		Formaldehyde	0.07	0.15
		NH <sub>3</sub> <0.01	<0.01	

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- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.  
PM<sub>10</sub> - particulate matter (PM) less than or equal to 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
CO - carbon monoxide  
NH<sub>3</sub> - ammonia
- (4) Total emissions from all 8 roof bents.

\* Emission rates are based on and the facilities are limited by the following maximum operating parameters:

Hrs/day 24 Days/week 7 Weeks/year 52 and Hrs/year 8,552

BHEX, fabric filter emission rates are based on operating 4,368 hours per year

Dated\_\_\_\_\_