EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	Emission Rates*	
Point No. (1)	Name (2)	Name (3)	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	Source	Air	Air Contaminant	Emission F	Emission Rates*	
Point No. (1)	Name (2)		Name (3)	lb/hr	TPY	
Stack-1	Main Stack		VOC	0.49	1.59	
		PM_{10}	0.66	2.28		
		NO_x	8.31	28.87		
		SO_2	0.06	0.18		
		CO	7.24	25.17		
		NH_3	0.01	0.03		
		Form	aldehyde	1.11	4.74	
Fan 1-5	Roof Fans		VOC	<0.01	<0.10	
		NΗ ₃	< 0.01	< 0.10		
		Form	aldehyde	< 0.01	< 0.02	
Fan 6-14	Roof Fans		VOC	<0.01	<0.10	
		NH_3	<0.01	<0.10	00	
		-	aldehyde	<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	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Source	Air	Contaminant	Emission F	Rates*		
Name (2)		Name (3)	lb/hr	TPY		
Mat Former Exhaust (Line 1)		PM	0.08	0.40		
Mat Former Exhaust (Line 1)		PM	0.08	0.40		
Low Vacuum (Line 1)	Forma	_	<0.01 <0.01 <0.01	<0.10 <0.10 <0.01		
High Vacuum (Line 1)	Forma	NH ₃	<0.01 <0.01 <0.01	<0.10 <0.10 <0.01		
Vacuum Exhaust (Line 2)	Forma PM	VOC NH₃ aldehyde 1.66	<0.01 <0.01 <0.01 7.10	<0.10 <0.10 <0.01		
		VOC NH₃ Formaldehyde	<0.01 <0.01 <0.01	<0.10 <0.10 <0.01		
COATED SUBSTRATE LINE						
Boiler		$\begin{array}{c} PM_{10} \\ VOC \\ NO_{x} \\ SO_{2} \\ CO \end{array}$	0.02 0.02 0.10 <0.01 0.16	0.07 0.05 0.82 0.01 0.69		
Dryer /Oven and IR Burner	NO _x CO SO _x NH ₃ Form	VOC PM 0.48 0.44 <0.01 0.02 aldehyde	0.03 0.04 2.50 1.90 0.02 0.02 0.20	0.13 0.18		
	Mat Former Exhaust (Line 1) Mat Former Exhaust (Line 1) Low Vacuum (Line 1) High Vacuum (Line 1) Vacuum Exhaust (Line 2) Line 2 Former/Saturat Blower Exhaust Stace RATE LINE Boiler Dryer /Oven and	Mat Former Exhaust (Line 1) Mat Former Exhaust (Line 1) Low Vacuum (Line 1) Formation High Vacuum (Line 1) Vacuum Exhaust (Line 2) Formation PM Line 2 Former/Saturator Blower Exhaust Stack FRATE LINE Boiler Dryer /Oven and IR Burner NOx CO SOx NH3	Mat Former Exhaust (Line 1) Mat Former Exhaust (Line 1) Mat Former Exhaust (Line 1) Low Vacuum VOC (Line 1) High Vacuum VOC (Line 1) Vacuum Exhaust VOC (Line 2) Vacuum Exhaust VOC NH ₃ Formaldehyde Vacuum Exhaust VOC NH ₃ Formaldehyde PM 1.66 Line 2 Former/Saturator VOC Blower Exhaust Stack NH ₃ Formaldehyde RATE LINE Boiler PM ₁₀ VOC NO _x SO ₂ CO Dryer /Oven and VOC IR Burner PM NO _x 0.48 CO 0.44 SO _x <0.01	Name (2) Name (3) Ib/hr Mat Former Exhaust (Line 1) PM 0.08 Mat Former Exhaust (Line 1) PM 0.08 Low Vacuum (Line 1) VOC (SO.01 (Vacuum (VOC (SO.01 (Vacuum (VOC (VOC (SO.01 (Vacuum Exhaust (VOC (VOC (VOC (VOC (VOC (VOC (VOC (VOC		

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

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EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (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 PM₁₀.
 - PM_{10} 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_x total oxides of nitrogen
 - SO₂ sulfur dioxide
 - CO carbon monoxide
 - NH₃ 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

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