

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 150585

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, sources, and related activities. 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)	Emission Rates (6)	
			lbs/hour	TPY (4)
WASH-1A	Four-Stage Washer System (Stage 1) Heater (3.5 MMBtu/hr)	VOC (5)	0.02	0.03
		PM (5)	0.03	0.05
		PM <sub>10</sub> (5)	0.03	0.05
		PM <sub>2.5</sub> (5)	0.03	0.05
		NO <sub>x</sub> (5)	0.34	0.63
		CO (5)	0.29	0.53
		SO <sub>2</sub> (5)	<0.01	<0.01
WASH-1B	Four-Stage Washer System (Stage 3) Heater (3.5 MMBtu/hr)	VOC (5)	0.02	0.03
		PM (5)	0.03	0.05
		PM <sub>10</sub> (5)	0.03	0.05
		PM <sub>2.5</sub> (5)	0.03	0.05
		NO <sub>x</sub> (5)	0.34	0.63
		CO (5)	0.29	0.53
		SO <sub>2</sub> (5)	<0.01	<0.01
DRYER-1	Dry-Off Oven (2.5 MMBtu/hr)	VOC (5)	<0.01	<0.01
		PM (5)	<0.01	<0.01
		PM <sub>10</sub> (5)	<0.01	<0.01
		PM <sub>2.5</sub> (5)	<0.01	<0.01
		NO <sub>x</sub> (5)	<0.01	<0.01
		CO (5)	<0.01	<0.01
		SO <sub>2</sub> (5)	<0.01	<0.01
OVEN-1	Production Line 1 Curing Oven 1 (5.0 MMBtu/hr)	VOC (5)	0.03	0.05
		PM (5)	0.04	0.07
		PM <sub>10</sub> (5)	0.04	0.07

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		PM <sub>2.5</sub> (5)	0.04	0.07
		NO <sub>x</sub> (5)	0.49	0.89
		CO (5)	0.41	0.75
		SO <sub>2</sub> (5)	<0.01	0.01
OVEN-2	Production Line 1 Curing Oven 2 (6.0 MMBtu/hr)	VOC (5)	0.03	0.06
		PM (5)	0.04	0.08
		PM <sub>10</sub> (5)	0.04	0.08
		PM <sub>2.5</sub> (5)	0.04	0.08
		NO <sub>x</sub> (5)	0.59	1.07
		CO (5)	0.49	0.90
		SO <sub>2</sub> (5)	<0.01	<0.01
RTO-1	Regenerative Thermal Oxidizer (6.0 MMBtu/hr) - Production Line 1 Shell Lining Booth 1, Production Line 1 Lid Lining Booth 1, Production Line 1 Curing Oven 2, Production Line 1 Paint Booth, and Production Line 1 Curing Oven 1	VOC	2.83	5.17
		ES	2.07	3.41
		PM	0.05	0.11
		PM <sub>10</sub>	0.05	0.11
		PM <sub>2.5</sub>	0.05	0.11
		VOC (5)	0.03	0.14
		PM (5)	0.21	0.31
		PM <sub>10</sub> (5)	0.21	0.31
		PM <sub>2.5</sub> (5)	0.21	0.31
		NO <sub>x</sub> (5)	2.54	3.99
		CO (5)	0.90	2.46
		SO <sub>2</sub> (5)	<0.01	0.02
BLDGFUG	Fugitive Emissions from Production Line 1 Shell Lining Booth 1, Production Line 1 Lid Lining Booth 1, Production Line 1 Paint Booth, Mixing Room 1, and Mixing Room 2	VOC	10.25	19.48
		ES	7.62	13.47
All Emission Points at the Site	All Sources at the Site	Individual HAP	---	<10.00
		Total HAP	---	<25.00

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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  
ES - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.  
PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>  
PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>  
PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter  
NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
SO<sub>2</sub> - sulfur dioxide  
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emissions from the combustion of natural gas.
- (6) Maintenance, startup, and shutdown emissions are included in the allowable emission rates.

Date: October 23, 2018