

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 80166

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(4)

Operating Scenario 1. Emissions when RTO online and the source is operating under normal operating conditions:

1	RTO-1	Butane	1.22	4.10
		PM	<0.01	<0.01
	RTO-1 Products of Combustion	NO _x	0.28	1.24
		CO	0.24	1.04
		SO ₂	<0.01	<0.01
		PM ₁₀	0.42	1.85
7	Regrind Silos (each)	Butane	0.00	0.00
		PM	0.00	0.00

Operating Scenario 2. Emissions during operating conditions authorized in Special Condition No. 7, authorized planned maintenance, start-up, and shutdown activities, when RTO is off-line due to planned maintenance, start-up, and shutdown authorized in this permit. These emissions, normally routed to the RTO, are diverted and exit the fabric filter outlets of the regrind silos:

1	RTO-1	Butane	0.00	0.00
		PM	0.00	0.00
	RTO-1 Products of Combustion	NO _x	0.28	<0.02
		CO	0.24	<0.02
		SO ₂	<0.01	<0.01
		PM ₁₀	0.42	<0.01
7	Regrind Silos(all Silos Combined)	Butane	25.80	0.84
		PM	2.00	0.09

Emissions under Operating Scenarios 1 and 2:

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	
<u>TPY(4)</u>				
2	EXTR-1, Extrusion Area Fan	Butane	10.06	33.90
		Styrene	1.15	3.83
		Ethyl Benzene	0.16	0.54
3	PRINT-1, Print Area Fan	VOC	1.04	3.50
4	FIN-1, Finished Product Storage Fan 1	Butane	3.70	12.50
5	FIN-2, Finished Product Storage Fan 2	Butane	3.70	12.50
6	FIN-3, Finished Product Storage Fan 3	Butane	3.70	12.50
All Points	All Sources at Site	HAP (any single)	--	<10.00
		HAPs (all combined)	--	<25.00

(1) Emission point identification - 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) HAP - any air contaminant (pollutant) listed in § 112(b) of the Federal Clean Air Act (42 U.S.C. 7412(b)(1)) as modified by Title 40 Code of Federal Regulations Chapter 63, Subpart C.

PM - particulate matter, suspended in the atmosphere, including PM₁₀.

PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

VOC - volatile organic compounds as defined in the Title 30 Texas Administrative Code § 101.1

(4) Annual emission are based on a 12-month rolling total.

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

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Emission	Source	Air Contaminant	<u>Emission Rates *</u>
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>
<u>TPY(4)</u>			

Dated July 27, 2007