

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9582

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.

CONTAMINANTS DATA			AIR	
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
BLR-20	M-526 Boiler	CO	7.1	10.5
		NO <sub>x</sub>	8.8	23.4
		PM <sub>10</sub>	0.9	1.0
		VOC	0.48	1.9
		SO <sub>2</sub>	1.1	0.7
V-9	C-202 Scrubber Exhaust	VOC	EMERGENCY USE ONLY	
SN-1	R4170 (4)	Xylene	0.37	0.15
		Methylmethacrylate	0.33	0.14
	OCPSF PH II (4)	Benzene	0.02	0.07
		Acetone	0.12	0.54
SN-1	Wingstay SN-1 (4)	Methylacrylate	0.25	1.10
		Dodecylmercaptan	1.21	5.31
W-29/W-C	Wingstay-29 (4)	Diphenylamine	0.05	0.20
		Styrene	0.05	0.24
W-29/W-C	Wingstay-C (4)	Alpha Methyl Styrene	0.02	0.09
		Isobutylene	0.01	0.02
FU-20	Stream No. 1 and No. 2 (4)	VOC	0.07	0.31
FU-20	Wastewater Tank Piping (4)	VOC	0.01	0.03
FU-21	NESHAP FF Components (4)	Benzene	0.36	1.56
		Acetone	0.13	0.60
		Cumene	0.06	0.29
		Organic Heavies	0.20	0.90

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
FU-19	Tank Farm Fugitives	Benzene	0.0597	0.262
		Cumene 0.0008	0.262	
		Meta-Para-DIPB	0.0018	0.008
		Para-DIPB 0.3731	1.634	
		Hydroquinone	0.0005	0.002
		Misc VOC 0.0466	0.204	
		Acetone 0.7944	3.479	
FU-37	100 Unit Fugitives	Propane	0.0691	0.303
		Propylene 0.0306	0.134	
		Benzene 0.1907	0.835	
		Cumene 0.1970	0.863	
		Meta-Para-DIPB	0.7862	3.443
		Para-DIPB 1.6786	7.352	
		Misc VOC 0.5816	2.547	
		Acetone 0.0	0.0	
FU-38	200 Unit Fugitives	Benzene	0.2890	1.266
		Para-DIPB 0.0721	0.316	
		Misc VOC 0.1686	0.738	
		Acetone 0.0672	0.294	
FU-39	300 Unit Fugitives	Benzene	0.4399	1.927
		Para-DIPB 0.0046	0.020	
		Hydroquinone 0.1313	0.575	
		Misc VOC 0.0309	0.136	
		Acetone 1.9185	8.403	
LR-18	Plant Loading Rack	Meta-Para-DIPB	0.975	0.001
		Para-DIPB 0.975	0.302	
		Misc VOC 0.160	0.004	
		Acetone 16.690	2.909	
V-333	V-333 HQ Crystallizer	Benzene	0.060	0.045
		Misc VOC 0.200	0.152	
V-334	V-334 HQ Centrifuge	Benzene	0.080	0.045

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			lb/hr	TPY
	Feed Tank	Misc VOC	0.270	0.152
E-331	E-331 After Condensor	Benzene	0.013	0.045
	Jet M-339	Misc VOC	0.044	0.152
CT-1	Cooling Tower M-508	VOC	0.03	1.24

(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) CO - carbon monoxide

NO<sub>x</sub> - total oxides of nitrogen

PM<sub>10</sub> - particulate matter (PM) 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 Title 30 Texas Administrative Code § 101.1

SO<sub>2</sub> - sulfur dioxide

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

Hrs/day\_\_\_\_ Days/week\_\_\_\_ Weeks/year\_\_\_\_ or Hrs/year 8,760

Dated November 2, 2004