

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 8879A

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 **
GRP-1	Process Vents Emission Cap Emissions Point Nos. P1, P3, P5, P9, and P10	VOC	8.94	16.22
		PM	0.88	1.44
		PM <sub>10</sub>	0.17	0.70
P5	Lean Oil Absorber/Boiler 2 System	CO	1.72	7.54
		NO <sub>x</sub>	0.75	3.30
		SO <sub>2</sub>	0.29	0.36
P6-6a	Scrubber	SO <sub>3</sub>	0.51	0.08
F	Process Fugitives (4)	VOC	0.60	2.64
ABS-1	Lean Oil Absorber Fugitives (4)	VOC	0.02	0.07
SUL-1	Sulfonation Cleaning	H <sub>2</sub> SO <sub>4</sub>	0.01	0.01
		VOC	4.87	0.12
WW	Wastewater	VOC	0.28	0.13
WASH	Parts Washer (5)	VOC	1.00	0.14
95-007	Asphalt Storage Tank (5)	VOC	1.84	0.40
		PM	0.52	0.11
		PM <sub>10</sub>	0.52	0.11
		PM <sub>2.5</sub>	0.52	0.11
		CO	0.23	0.05
95-032	Sulfuric Acid Storage Tank	H <sub>2</sub> SO <sub>4</sub>	0.01	0.01
TANKLOAD	Sulfuric Acid Tank Truck Loading (5)	H <sub>2</sub> SO <sub>4</sub>	0.01	0.01
ENG1	Engine-1 (5)	VOC	0.62	0.02

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		NO <sub>x</sub>	7.60	0.20
		CO	1.64	0.04
		SO <sub>2</sub>	0.50	0.01
		PM	0.54	0.01
ENG2	Engine-2 (5)	VOC	0.67	0.02
		NO <sub>x</sub>	8.25	0.21
		CO	1.78	0.05
		SO <sub>2</sub>	0.55	0.01
		PM	0.59	0.02

- (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
  - H<sub>2</sub>SO<sub>4</sub> - sulfuric acid
  - NO<sub>x</sub> - total oxides of nitrogen
  - PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>
  - PM<sub>10</sub> - particulate matter less than or equal to 10 microns in diameter
  - PM<sub>2.5</sub> - particulate matter less than or equal to 2.5 microns in diameter
  - SO<sub>2</sub> - sulfur dioxide
  - SO<sub>3</sub> - sulfur trioxide
  - VOC - volatile organic compounds as defined in the Title 30 Texas Administrative Code § 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) These sources are covered under permits by rule and are not authorized under this permit. They are listed here for reference only.

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

Hrs/day 24 Days/week 7 Weeks/year 52

- \*\* Compliance with annual emission limits is based on a rolling 12-month period.

Dated May 24, 2010