

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 86301 and PSD-TX-1173

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)	Emission Rates *	
			lb/hr	TPY**
ENG01 through ENG03	Engine 1 through Engine 3 (Each engine)	NO <sub>x</sub>	2.15	---
		CO	7.69	---
		VOC	7.69	---
		PM <sub>10</sub>	4.50	---
		SO <sub>2</sub>	0.04	---
		H <sub>2</sub> CO	0.21	---
		HAP	0.67	---
		NH <sub>3</sub>	0.97	---
		H <sub>2</sub> SO <sub>4</sub>	<0.01	---
ENG01 through ENG03 Start-Up	Engine 1 through Engine 3 Start-Up (Each engine) (450 hours)	NO <sub>x</sub>	23.52	---
		CO	26.46	---
		VOC	13.23	---
		PM <sub>10</sub>	4.85	---
		SO <sub>2</sub>	0.04	---
		H <sub>2</sub> CO	0.21	---
		HAP	0.67	---
		NH <sub>3</sub>	0.97	---
		H <sub>2</sub> SO <sub>4</sub>	<0.01	---
ENG01 through ENG03 Annual	Engine 1 through Engine 3 Annual (Total for all Engines)	NO <sub>x</sub>	---	38.33
		CO	---	98.05
		VOC	---	89.12
		PM <sub>10</sub>	--	50.19
		SO <sub>2</sub>	---	0.47
		H <sub>2</sub> CO	---	2.28
		HAP	---	7.40
		NH <sub>3</sub>	---	10.82
		H <sub>2</sub> SO <sub>4</sub>	---	0.07

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FIREPUMP-01	Diesel Fire Pump	NO <sub>x</sub>	4.65	0.23
		CO	1.00	0.05
		VOC	0.38	0.02
		PM <sub>10</sub>	0.33	0.02
		SO <sub>2</sub>	0.31	0.02
		H <sub>2</sub> CO	0.18	0.01
		HAP	0.22	0.02
		H <sub>2</sub> SO <sub>4</sub>	<0.01	0.01
HEATER-01	Natural Gas Line Heater	NO <sub>x</sub>	0.30	1.30
		CO	0.25	1.09
		VOC	0.02	0.07
		PM <sub>10</sub>	0.02	0.10
		SO <sub>2</sub>	<0.01	0.01
		H <sub>2</sub> CO	<0.01	<0.01
		HAP	<0.01	0.02
		H <sub>2</sub> SO <sub>4</sub>	<0.01	<0.01

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3)
  - NO<sub>x</sub> - total oxides of nitrogen
  - CO - carbon monoxide
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter
  - SO<sub>2</sub> - sulfur dioxide
  - H<sub>2</sub>CO - formaldehyde
  - 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
  - NH<sub>3</sub> - ammonia
  - H<sub>2</sub>SO<sub>4</sub> - sulfuric acid

\* 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 22,000 hours per year combined for all three engines

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

Dated May 18, 2009