

## Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 84824 and PSDTX1133

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 (5)
ENG01 through ENG24	Engine 1 through Engine 24 (Each engine)	NO <sub>x</sub> (4)	2.16	---
		CO (4)	7.69	---
		VOC (4)	7.69	---
		PM (4)	4.5	---
		PM <sub>10</sub> (4)	4.5	---
		PM <sub>2.5</sub> (4)	4.5	---
		SO <sub>2</sub>	0.21	---
		H <sub>2</sub> CO	0.21	---
		HAP	0.67	---
		NH <sub>3</sub>	0.97	---
		H <sub>2</sub> SO <sub>4</sub>	3.24E-02	---
ENG01 through ENG24 Start-Up	Engine 1 through Engine 24 Start-Up (Each engine) (250 hours)	NO <sub>x</sub> (4)	23.52	---
		CO (4)	26.46	---
		VOC (4)	13.23	---
		PM (4)	4.85	---
		PM <sub>10</sub> (4)	4.85	---
		PM <sub>2.5</sub> (4)	4.85	---
		SO <sub>2</sub>	0.21	---
		H <sub>2</sub> CO	0.21	---
		HAP	0.67	---
		NH <sub>3</sub>	0.97	---
		H <sub>2</sub> SO <sub>4</sub>	0.03	---
ENG01 through ENG24 Annual	Engine 1 through Engine 24 Annual (Each Engine)	NO <sub>x</sub> (4)	---	12.10
		CO (4)	---	36.04
		VOC (4)	---	34.38
		PM (4)	---	19.75
		PM <sub>10</sub> (4)	---	19.75
		PM <sub>2.5</sub> (4)	---	19.75
		SO <sub>2</sub>	---	0.93
		H <sub>2</sub> CO	---	0.90
		HAP	---	2.92
		NH <sub>3</sub>	---	4.27
		H <sub>2</sub> SO <sub>4</sub>	---	0.14
FP26_S	Diesel Fire Pump	NO <sub>x</sub> (4)	4.65	0.23
		CO (4)	1.00	0.05
		VOC (4)	0.38	0.02
		PM (4)	0.33	0.02
		PM <sub>10</sub> (4)	0.33	0.02
		PM <sub>2.5</sub> (4)	0.33	0.02
		SO <sub>2</sub>	0.31	0.02

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Gen27_S	Diesel Generator	NO <sub>x</sub> (4)	8.31	0.42
		CO (4)	1.79	0.09
		VOC (4)	0.67	0.03
		PM (4)	0.59	0.03
		PM <sub>10</sub> (4)	0.59	0.03
		PM <sub>2.5</sub> (4)	0.59	0.03
		SO <sub>2</sub>	0.55	0.03

- (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 - total particulate matter, suspended in the atmosphere including PM<sub>10</sub> and PM<sub>2.5</sub>
  - PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 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
- (4) Pollutants subject to PSD review.
- (5) Compliance with annual emission limits is based on a rolling 12-month period.

Date: November 12, 2018