

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 3338A

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**
1	580-HP White Engine White Superior 8G825	CO	2.31	
		NO <sub>x</sub>	19.18	
		PM <sub>10</sub>	0.09	
		SO <sub>2</sub>	0.01	
		VOC	0.10	
2	580-HP White Engine White Superior 8G825	CO	2.31	
		NO <sub>x</sub>	19.18	
		PM <sub>10</sub>	0.09	
		SO <sub>2</sub>	0.01	
		VOC	0.10	
3	580-HP White Engine White Superior 8G825	CO	2.31	
		NO <sub>x</sub>	19.18	
		PM <sub>10</sub>	0.09	
		SO <sub>2</sub>	0.01	
		VOC	0.10	
4	580-HP White Engine White Superior 8G825	CO	2.31	
		NO <sub>x</sub>	19.18	
		PM <sub>10</sub>	0.09	
		SO <sub>2</sub>	0.01	
		VOC	0.10	
	580-HP White Engine (5) White Superior 8G825	CO		20.16
		NO <sub>x</sub>		168.02
		PM <sub>10</sub>		0.76
		SO <sub>2</sub>		0.02

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY**</u>
		VOC		0.90
5	300-HP Waukesha Waukesha L3711	CO	0.66	
		NO <sub>x</sub>	13.23	
		PM <sub>10</sub>	0.05	
		SO <sub>2</sub>	0.01	
		VOC	0.26	

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
6	300-HP Waukesha Waukesha L3711	CO	0.66	
		NO <sub>x</sub>	13.23	
		PM <sub>10</sub>	0.05	
		SO <sub>2</sub>	0.01	
		VOC	0.26	
7	300-HP Waukesha Waukesha L3711	CO	0.66	
		NO <sub>x</sub>	13.23	
		PM <sub>10</sub>	0.05	
		SO <sub>2</sub>	0.01	
		VOC	0.26	
	300-HP Waukesha (6) Waukesha L3711	CO		5.80
		NO <sub>x</sub>		115.88
		PM <sub>10</sub>		0.44
		SO <sub>2</sub>		0.02
		VOC		2.32
8	175-HP Engine Caterpillar G342NA	CO	4.55	
		NO <sub>x</sub>	4.36	
		PM <sub>10</sub>	0.03	
		SO <sub>2</sub>	0.01	
		VOC	0.03	
9	175-HP Engine Caterpillar G342NA	CO	4.55	
		NO <sub>x</sub>	4.36	
		PM <sub>10</sub>	0.03	
		SO <sub>2</sub>	0.01	
		VOC	0.03	
10	175-HP Cat Engine Caterpillar G342NA	CO	4.55	
		NO <sub>x</sub>	4.36	
		PM <sub>10</sub>	0.03	
		SO <sub>2</sub>	0.01	
		VOC	0.03	

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
	175-HP Engine (7) Caterpillar G342NA	CO		39.88
		NO <sub>x</sub>		38.20
		PM <sub>10</sub>		0.24
		SO <sub>2</sub>		0.02
		VOC		0.26
11	Hot Oil Heater	CO	0.77	3.38
		NO <sub>x</sub>	0.92	4.03
		PM <sub>10</sub>	0.07	0.31
		SO <sub>2</sub>	0.01	0.03
		VOC	0.06	0.22
12	Acid Gas Incinerator	CO	0.19	0.82
		H <sub>2</sub> S	0.24	1.06
		NO <sub>x</sub>	0.22	0.98
		SO <sub>2</sub>	227.14	994.86
		VOC	0.01	0.06
13	Flare Pilot Fuel Only	CO	0.02	0.07
		NO <sub>x</sub>	0.01	0.04
		SO <sub>2</sub>	0.01	0.01
		VOC	0.01	0.01
15	Slop Oil Tank	VOC	1.53	4.93
16	Wastewater Tank	VOC	0.04	0.14
17	Dehydrator Vent (2,891 hours per year)	VOC	0.10	0.44
18	Slop Oil Loading	VOC	0.0	0.0
14	Process Fugitives (4)	H <sub>2</sub> S	0.04	0.15
		VOC	1.26	5.51

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- (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  
H<sub>2</sub>S - hydrogen sulfide  
PM<sub>10</sub> - particulate matter less than 10 microns in diameter  
SO<sub>2</sub> - sulfur dioxide  
VOC - volatile organic compounds as defined in 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) Total annual emissions from EPNs 1 through 4 are from any two of the four White Superior 8G825 engines operating at any one time.
  - (6) Total annual emissions from EPNs 5 through 7 are from any two of the three Waukesha L3711 engines operating at any one time.
  - (7) Total annual emissions from EPNs 8 through 10 are from any two of the three Caterpillar G342NA engines operating at any one time.
- \* 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.