

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 21527

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**
101 to 106, and 108	Storage Tanks (seven total)	VOC	3.94	0.05
107	Storage Tank	Phosphoric Acid	0.01	0.01
110 to 115	Storage Tanks (six total)	VOC	56.61	0.27
116	Storage Tank	Sodium Tolytriazole	0.01	0.01
117	Storage Tank	Potassium Hydroxide	0.09	0.01
118	Storage Tank	Sodium Hydroxide	0.09	0.01
119 to 124	Storage Tanks (six total)	VOC	20.39	0.09
128 to 132	Storage Tanks (five total)	VOC	21.33	0.24
137 to 140	Storage Tanks (four Total)	VOC	19.06	0.21
145 to 147	Storage Tanks (three total)	VOC	24.22	0.56

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153 to 155	Storage Tanks (three total)	VOC	12.64	0.64
161, 162, 166 to 171	Storage Tanks (eight total)	VOC	16.69	0.55
174 to 175	Storage Tanks (two total)	VOC	0.40	0.06
180 to 184	Storage Tanks (five total)	VOC	13.05	0.09
187 to 197	Storage Tanks (11 Total)	VOC	43.86	0.16
198, 199, 201 to 204 250 to 252	Storage Tanks (nine total)	VOC	0.02	0.02
301 to 317	Storage Tanks (17 total)	VOC	1.04	0.11
318A, B, and C	Storage Tanks (three total, stacked)	VOC	0.23	0.01
319 to 321	Storage Tanks (three total)	VOC	0.22	0.01
322A, B, and C	Storage Tanks (three total, stacked)	VOC	0.21	0.01
323 to 334	Storage Tanks (12 total)	VOC	3.32	0.11
335 to 350	Storage Tanks (16 Total)	VOC	22.83	0.17

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351 to 355	Storage Tanks (five total)	VOC	0.19	0.03
357A, B, C, and D	Storage Tanks (four total, stacked)	VOC	0.07	0.02
358, 359, 360A/B, 361A/B, 362 to 367, 401 to 405, and 406A/B/C	Storage Tanks (20 total)	VOC	0.96	0.04
407 to 417	Storage Tanks (11 total)	VOC	0.70	0.05
418 to 420, and 459	Storage Tank (four total)	VOC	0.05	0.02
501 to 505	Storage Tanks (five total)	VOC	26.71	1.12
506	Storage Tank	VOC	1.90	0.52
		Benzene (4)	0.01	0.01
508 to 511	Storage Tanks (four total)	VOC	2.64	0.07
512 to 513	Storage Tanks (four total)	VOC	29.52	1.12
601 to 605	Storage Tanks (five total)	VOC	48.20	1.65
701 to 710	Storage Tanks (10 total)	VOC	1.75	0.14
711, 715, 716,	Storage Tanks	VOC	1.90	0.16

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901, and 902	(five total)			
HO-HRT1	Hot Oil Heater	VOC	0.04	0.15
		NO _x	0.64	2.79
		CO	0.54	2.35
		SO ₂	0.01	0.02
		PM	0.05	0.21
HO-HRT2	Hot Oil Heater	VOC	0.05	0.20
		NO _x	0.83	3.65
		CO	0.70	3.07
		SO ₂	0.01	0.02
		PM	0.06	0.28
STK-O1	Boiler Stack (5)	VOC	0.13	0.59
		NO _x	1.32	5.78
		CO	1.47	6.43
		SO ₂	0.08	0.33
		PM	0.78	3.42
TL-A, B, and C	Truck Loading Racks (three total)	VOC	35.36	5.62
RL-D	Railcar Loading	VOC	0.14	0.26
FU-1	Fugitive Components (6)	VOC	4.18	18.79

(1) Emission point identification - either specific equipment designation or emission point number (EPN) from plot plan.

(2) Specific point source name. For fugitive sources use area name or fugitive source name.
TCGU - TEXACO Continuous Grease Unit

(3) PM - particulate matter, suspended in the atmosphere, including PM₁₀

PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed,

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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

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

(4) Speciated emissions are included in total VOC emissions.

(5) Includes total emissions from all facilities routed to this EPN.

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

* Emission rates for sequentially-numbered emission point numbers are the total emissions for all EPNs in the series.

** Emission rates are based on a continuous operating schedule. Compliance with annual emission limits is based on a rolling 12-month period.

Date January 15, 2004