

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 5873

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
ST-301	Tank F-130	VOC	10.52	1.20
ST-302	Tank F-131	VOC	10.52	1.20
ST-303	Tank F-132	VOC	10.52	1.20
ST-304	Tank F-133	VOC	10.52	1.20
ST-305	Tank F-134	VOC	5.83	0.35
ST-306	Tank F-135	VOC	5.83	0.35
ST-307	Tank F-136	VOC	10.52	1.20
ST-308	Tank F-137	VOC	10.52	1.20
ST-309	Tank F-138	VOC	4.77	0.53
ST-310	Tank F-139	VOC	8.09	0.16
ST-311	Tank F-140	VOC	4.52	1.21
ST-312	Tank F-141	VOC	2.51	0.72
ST-313	Tank F-142	VOC	1.01	0.11
ST-314	Tank F-143	VOC	1.70	0.07
ST-315	Tank F-144	VOC	0.26	0.04

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			lb/hr	TPY
ST-316	Tank F-145	VOC	1.21	0.89
ST-317	Tank F-146	VOC	0.16	0.06
ST-318	Tank F-147	VOC	0.60	2.25
ST-319	Tank F-148	VOC	0.98	3.67
ST-320	Tank F-150	VOC	5.26	0.60
ST-321	Tank F-151	VOC	5.26	0.60
ST-324	Tank F-152	VOC	5.26	0.60
ST-325	Tank F-153	VOC	10.52	1.26
ST-327	Tank F-154	VOC	9.71	0.29
ST-328	Tank F-155	VOC	5.83	0.14
ST-329	Tank F-156	VOC	9.88	0.45
ST-330	Tank F-157	VOC	9.71	0.65
HF-301	Heater H-101	VOC	0.04	0.16
		NO _x	1.84	8.07
		SO ₂	<0.01	0.02
		CO	0.46	2.02
		PM ₁₀	0.17	0.75
FS-301	API Separator	VOC	3.13	13.7
LPV-302	Catalyst Hopper Vent Filter	AlCl ₃	0.14	<0.01

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			lb/hr	TPY
ST-323	Tank F-107	NaOH		<0.5
ST-322	Tank F-106	AlCl ₃ , HCl		<0.5
FSP-301	Loading	VOC	14.0	4.58
FU-301	Process Fugitives (4)	NH ₃	0.11	0.5
		VOC	10.41	45.61

(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) 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

PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns in emitted.

AlCl₃ - aluminum chloride, anhydrous

NaOH - sodium hydroxide

HCl - hydrogen chloride

NH₃ - ammonia

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

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

Hrs/day ____ Days/week ____ Weeks/year ____ or Hrs/year 8,760

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			<u>lb/hr</u>	<u>TPY</u>

Dated September 24, 2002