

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 1968

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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
CLC5171	CO2 Stripper Column			CO	14.55	63.70
				VOC	<0.1	<0.10
CLC5201	Side Draw Flasher Accumulator Vent			CO	0.15	0.70
				VOC	0.34	1.50
CDE5357	EMP Column Condenser Vent			CO	0.16	0.70
				VOC	0.02	0.07
CDE5372	Heavy Ends Column Condenser Vent			CO	0.01	0.06
				VOC	<0.1	<0.10
SHANAL	Shared Analyzer Vent			CO	0.03	0.12
AZA9200	Propylene Analyzer			CO	<0.01	0.03
				VOC	<0.01	0.03
AZA9201	Reactor Vent Analyzer			CO	<0.01	0.03
				VOC	<0.01	0.03
FEBA100	Fugitives (4)			VOC	8.34	36.50
FLA1333	Flare (5)			CO	2.0	8.70
				NOx	0.4	1.70
				VOC	6.3	27.50
CWT	Cooling Tower			VOC	3.0	13.1
T5437	Tank 5437			NBA	1.00	0.79
T5438	Tank 5438			NBA	0.96	0.71

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		
			lb/hr	TPY	
T5444	Tank 5444		NBA	2.26	2.85
T9551	Tank 9551		IBA	0.37	0.19
T9552	Tank 9552		IBA	0.37	0.19
T9560	Tank 9560		IBA	2.56	1.05
T9564	Tank 9564		IBA	2.57	1.07
T5433	Tank 5433		2EH	0.03	0.03
T5436	Tank 5436		2EH	0.03	0.03
T9570	Tank 9570		2EH	0.14	0.15
T5434	Tank 5434		VOC	0.04	0.03
T5435	Tank 5435		VOC	0.04	0.03
T9563	Tank 9563		VOC	0.66	0.12
T5421	Tank 5421		CBA	1.00	0.02
T9571	Tank 9571		CBA	2.16	0.89
T9568	Tank 9568		CBA	0.08	0.08
T9569	Tank 9569		COA	0.22	0.27
T5441	Tank 5441		CBA	0.82	1.26
T5442	Tank 5442		VOC	0.24	0.07
T5439	Tank 5439		VOC	0.16	0.12

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
T9513	Tank 9513	VOC	0.55	0.08
T9542	Tank 9542	VOC	0.63	0.24
T9522	Tank 9522	VOC	0.24	0.05
T9523	Tank 9523	VOC	0.12	0.10
T9541	Tank 9541	VOC	0.25	0.19
T9556	Tank 9556	VOC	0.11	0.08
T5431	Tank 5431	VOC	0.06	0.02
T5432	Tank 5432	VOC	0.06	0.02
T9572	Tank 9572	VOC	0.26	0.11
T9521	Tank 9521	VOC	0.22	0.19
T9565	Tank 9565	VOC	0.16	0.39
T9543	Tank 9543	KOH	0.39	<0.01

- (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 General Rule 101.1
 Nox - total oxides of nitrogen
 CO - carbon monoxide
 NBA - n-butyl alcohol
 IBA - i-butyl alcohol
 2EH - 2-ethyl-1-hexanol
 CBA - crude butyl alcohol
 COA - crude octyl alcohol

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			lb/hr	TPY

KOH - potassium hydroxide.

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

(5) Flare emissions caused by Butyl-Octyl Alcohol Unit.

* 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

Dated_____