## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

#### AIR CONTAMINANTS DATA

Emission So	ource A	ir Contaminant	<u>Emission</u>	<u>Rates</u>
* Point No. (1) No.	lame (2)	Name (3)	lb/hr	TPY

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## Permit No. 51A

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 *	Source A	ir Contaminant	<u>Emissic</u>	on Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
04CHRGHTR	Naphtha HDS Charge He	ohtha HDS Charge Heater 57		0.62
		VOC PM NO <sub>x</sub>	0.06 0.30 2.77	0.26 1.31 12.13
		CO	0.75	3.29
04DEC5HTR	Naphtha HDS Dependent Reboiler	SO <sub>2</sub> VOC PM NO <sub>x</sub> CO	1.10 0.11 0.53 4.97 1.34	1.21 0.48 2.32 21.77 5.87
05CHRGHTR	Reformer Charge Heate	er SO <sub>2</sub> VOC PM NO <sub>x</sub> CO	1.34 0.13 0.64 8.22 1.65	1.47 0.57 2.80 36.00 7.22
	Reformer No. 1 Reactor	SO <sub>2</sub>	1.18	1.29

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# AIR CONTAMINANTS DATA

Emission *	Source	Αi	ir Contaminant	<u>Emissio</u>	n Rates
Point No. (1)	Name (2)		Name (3)	1b/hr	TPY
	Heater	PM NO <sub>x</sub> CO	VOC 0.57 7.23 1.45	0.12 2.50 31.67 6.36	0.53
	Reformer No. 2 Reactor Heater	PM NO <sub>x</sub> CO	SO <sub>2</sub> VOC 0.87 11.10 .23	1.81 0.18 3.81 48.62 9.76	1.98 0.79
	Reformer No. 3 Reactor Reheater	PM NO <sub>x</sub> CO	SO <sub>2</sub> VOC 0.35 4.51 0.90	0.74 0.08 1.53 19.75 3.96	0.81 0.35
05DEC5HTR	Reformer Depent Reboiler		SO <sub>2</sub> VOC PM NO <sub>x</sub> CO	0.87 0.09 0.42 3.91 1.06	0.95 0.39 1.84 17.13 4.64
05REFMRFLR	Flare		SO <sub>2</sub> VOC PM NO <sub>x</sub> CO	<0.01 <0.01 <0.01 0.18 0.05	<0.01 0.02 0.03 0.80 0.20
37TANKTP07	Tank		VOC	0.45	1.68
05REFRMFUG	Fugitive (4)		VOC H₂S	3.38 0.09	14.79 0.39
(1)	Emission point equipment designation plan.				
(2)	Specific point so	ource	name. For fug	gitive sou	irces use

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# AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission</u>	Rates
Point No. (1)	Name (2)	Name (3)	1b/hr	TPY
(3) VOC compounds as de NO <sub>x</sub> - total ox SO <sub>2</sub> - sulfur d PM - particula CO - carbon m H <sub>2</sub> S - hydrogen	ate matter including onoxide sulfide	- vo e 101.1	latile	
	emissions are an maximum allowable e	<del>-</del>	d should	not be
	are based on and um operating schedul		e limited	by the
Hrs/day <u>24</u> D	ays/week <u>7</u> Week	s/year <u>52</u>		
				Dated