Permit No. 22088

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.

CONTAMINANTS DATA

AIR

Emission	Source A	Air Contaminant	<u>Emission Rates</u>
<u>*</u> Point No. (1)	Name (2)	Name (3)	lb/hr TPY
F-1	Degassing Flare	VOC NO_x CO SO_2	<0.01 0.02 0.15 0.65 0.29 1.29 <0.01 <0.01
A-1	Diesel Air Compressor	$\begin{array}{cc} NO_x \\ CO \\ VOC \\ SO_2 \\ PM_{10} \end{array}$	6.17 1.86 1.33 0.40 0.49 0.15 0.41 0.12 0.44 0.13
G-1	Area 3 Generator	$\begin{array}{c} NO_x \\ CO \\ VOC \\ SO_2 \\ PM_{10} \end{array}$	3.64 0.36 0.79 0.08 0.29 0.03 0.24 0.02 0.26 0.03
G-2	Area 4 Generator	NO_{x} CO VOC SO_{2} PM_{10}	3.64 0.36 0.79 0.08 0.29 0.03 0.24 0.02 0.26 0.03
G-3	Area 8 Generator	NO_x CO VOC SO_2	3.64 0.36 0.79 0.08 0.29 0.03 0.24 0.02

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	Emission	Rates
Point No. (1)	Name (2)	Name (3) 1b	/hr TPY	
		PM_{10}	0.26	0.03
G-4	Diesel Engine	$\begin{array}{c} NO_x \\ CO \\ VOC \\ SO_2 \\ PM_{10} \end{array}$		0.19 0.04 0.02 0.01 0.01
G-5	Brine Generator	NO_x CO VOC SO_2 PM_{10}		0.94 0.20 0.08 0.06 0.07
FE-1	Firewater Engine	NO_x CO VOC SO_2 PM_{10}	0.86 0.72	0.90 0.20 0.03 0.30 0.02
FE-2	Firewater Engine	NO _x CO VOC SO ₂	2.31 0.73	0.91 0.12 0.04 0.01
H-1	Hot Water Heater	NO_x CO VOC SO_2 PM_{10}	0.33 0.07 0.02 <0.01 0.02	1.46 0.29 0.08 0.01 0.07
H-2	Hot Water Heater	NO_{x} CO	0.33 0.07	1.46 0.29

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	<u>Emission</u>	Rates
* Point No. (1)	Name (2)	Name (3) 1k	o/hr TPY	
		VOC SO₂	0.02 <0.01	0.08 0.01
		PM_{10}	0.02	0.07
H-3	Hot Water Heater	NO _x CO	0.33 0.07	1.46 0.29
		VOC SO₂	0.02 <0.01	0.08 0.01
		PM ₁₀	0.02	0.07
H-4	Hot Water Heater	NO _x CO VOC	0.33 0.01 0.02	1.46 0.29 0.08
		SO_2 PM_{10}	<0.01 0.02	0.01 0.07
H-6	Ethylene Regen Heate	CO VOC SO₂	0.43 0.09 0.02 <0.01	1.88 0.38 0.10 0.01
H-7	Ethylene Regen Heater	PM_{10} PM_{10} PM_{10} PM_{10} PM_{10}	0.02 0.26 0.05 0.02 <0.01 0.02	0.09 1.13 0.23 0.06 <0.01 0.06
H-8	Propylene Regen Heate	er NO _x CO VOC SO ₂ PM ₁₀	0.43 0.09 0.02 <0.01 0.02	1.88 0.38 0.10 0.01 0.09

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emissi</u>	on Rates
Point No. (1)	Name (2)	Name (3)	lb/hr TPY	
H-9	Regeneration Gas He 2.02	ater	NO_x	0.46
		CO VOC SO_2 PM_{10}	0.09 0.02 <0.01 0.02	0.40 0.11 0.01 0.10
H-10	Regeneration Gas He	ater	NO_x	0.38
	1.07	CO VOC SO_2 PM_{10}	0.08 0.02 <0.01 0.02	0.33 0.08 0.01 0.08
P-2	Butadiene Piping Fugitives (4)	VOC	0.31	1.31
P-13	Butadiene Piping Fugitives (4)	VOC	0.13	0.56
N-Well A	North Well Fugitive 2.48	s (4)	VOC	0.57
N-Well B	North Well Fugitive 5.97	s (4)	VOC	1.36
S-Well	South Well Fugitive 4.86	s (4)	VOC	1.11
Terminal	Terminal Fugitives	(4) VOC	67.01	281.98
R-Load	Rail Loading Fugiti 35.86	ves (4)	VOC	25.54

ВР	Brine Pit Fugitives (2.42	4)	VOC	0.55
FLAREC	Flare C (5)	NO _x CO VOC	0.13 0.25 0.97	0.23 0.45 1.66
FLARED	Flare D (5)	NO _x CO VOC	0.13 0.25 0.97	0.23 0.45 1.66

- (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) PM_{10} particulate matter less than 10 microns
 - VOC volatile organic compounds as defined in General Rule 101.1
 - NO_x total oxides of nitrogen
 - SO_2 sulfur dioxide
 - CO carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The emission rate represented reflects only the emissions associated with loading operations from this permitted unit. These emissions shall not occur simultaneously.

*	Emission	rates	are	based	on	and	the	facilities	are	limited	by	the
	followin	g maxin	num o	peratin	ig s	chedu	le:					

Hrs	/day	Davs	/week	Weeks/	/vear	or	Hrs/v	vear	8,760
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EMISSION	SOURCES	_	MAXTMIIM	ALLOWAR	II F	EMISSION	RATES

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