Permit No. 3158

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 a 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	ir Contaminant	<u>Emission</u>	Rates
<u>*</u> <u>Point No. (1)</u>	Name (2)	Name (3)	lb/hr	TPY
1	Acid Gas Flare (5)	EMERGENCY USE ON	LY	
2	Spare Regeneration Heater (6)	NO_x CO VOC SO_2	0.19 0.04 0.01 0.03	0.58 0.12 0.03 0.08
3	Hot Oil Heater	NO_x CO VOC SO_2	1.07 0.21 0.06 0.15	3.34 0.67 0.18 0.48
4	Old Plant Emergency Flar	e (5) EMERGENCY US	SE ONLY	
6	Acid Gas Incinerator (7)	CO VOC	0.74 5.42 0.04 L47.22	2.33 23.74 0.12
	644.84	H₂S	0.79	3.47
37	Steam Boiler	NO _x CO VOC SO ₂	0.17 0.03 0.01 0.02	0.52 0.10 0.03 0.07
41/42	600-HP Clark RA-6	NO_x	26.43	

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission</u>	Rates
<u>*</u> Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
	115.76			
		CO	1.85	8.10
		VOC	1.32 0.08	5.78
		SO ₂	0.08	0.35
43/44	600-HP Clark RA-6 115.76	NO_x	26.43	
		CO	1.85	8.10
		VOC	1.32	5.78
		SO ₂	0.08	0.35
45/46	600-HP Clark RA-6 115.76	NO_x	26.43	
		CO	1.85	8.10
		VOC	1.32	5.78
		SO ₂	0.08	0.35
47/48	600-HP Clark RA-6 115.76	NO _x	26.43	
		CO	1.85	8.10
		VOC	1.32	5.78
		SO ₂	0.08	0.35
50/51	600-HP Clark RA-6 115.76	NO_x	26.43	
		CO	1.85	8.10
		VOC	1.32	5.78
		SO ₂	0.08	0.35
52	660-HP Worthington 58 114.62	-2 SLHC	NO_{\times}	26.17
		CO	2.91	12.75
		VOC	2.91	12.75

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission</u>	n Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
		SO ₂	0.09	0.39
53	660-HP Worthington 58-2 114.62	SLHC	NO_{\times}	26.17
	111102	CO VOC SO ₂	2.91 2.91 0.09	12.75 12.75 0.39
54	660-HP Worthington 58-2 114.62	SLHC	NO_{x}	26.17
		CO VOC SO₂	2.91 2.91 0.09	12.75 12.75 0.39
55	1,100-HP White Superior 8-GTLA	NO _x CO VOC SO ₂	4.90 7.30 1.80 0.11	21.50 32.00 8.00 0.50
61	2,000-HP White Superior 12-SGTA	NO _x CO VOC SO ₂	8.81 7.05 1.41 0.27	38.59 30.88 6.18 1.18
62	2,000-HP White Superior 12-SGTA	NO _x CO VOC SO ₂	8.81 7.05 1.41 0.27	38.59 30.88 6.18 1.18
63	2,000-HP White Superior 12-SGTA	NO _x CO VOC SO ₂	8.81 7.05 1.41 0.27	38.59 30.88 6.18 1.18

69	Old Regeneration Heater NC CC VC SC))C	0.19 0.04 0.01 0.03	0.58 0.12 0.03 0.08
77	4.5 MMBtu Amine Reboiler NC CC VC SC))C	0.60 0.12 0.03 0.09	1.88 0.38 0.10 0.27
78	4.5 MMBtu Amine Reboiler NC CC VC SC))C	0.60 0.12 0.03 0.09	1.88 0.38 0.10 0.27
100	Processes Fugitives (4) VC)C	7.41	32.44

- (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
 - NO_x total oxides of nitrogen
 - SO₂ 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 acid gas flare and the old plant emergency flare shall be used only for emergency (start-up, shutdown, upset, and maintenance) conditions.
- (6) Annual emissions from Emission Point Nos. (EPNs) 2 and 69 in combination shall not exceed the annual emissions allowable of EPN 69.
- (7) Acid gas incinerator emissions are based on an input to the SRU of a maximum of 1,900 lbs/hr of sulfur.

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	Emission Rates
<u>*</u> Point No. (1) Name (2)	Name (3)	lb/hr TPY
	sion rates are ba maximum operating	sed on and the facilities a g schedule:	re limited by the
Hrs/day _	Days/week	Weeks/year or Hrs/year	8,760
		Daniel	
		Dated	