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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.

Emission *	Source	Air Contaminant	<u>Emissio</u>	n Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
TK-1	Tank 1	VOC	0.22	0.96
TK-2	Tank 2	VOC	1.40	4.00
TK-3	Tank 3	VOC	0.68	2.53
TK-4	Tank 4	VOC	0.66	2.89
TK-7	Tank 7	VOC	3.12	0.27
TK-8	Tank 8	SB	0.11	0.02
TK-9	Tank 9	SB	0.06	0.02

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission</u>	Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
TK-10	Tank 10	VOC	0.69	0.41
TK-11	Tank 11	VOC	0.69	0.41
TK-12	Tank 12	VOC	0.69	0.41
TK-13	Tank 13	VOC	0.69	0.41
TK-14	Tank 14	VOC	3.20	0.56
TK-15	Tank 15	VOC	0.69	0.41
TK-16	Tank 16	VOC	0.69	0.41
TK-18	Tank 18	VOC	0.68	1.30
TK-28	Tank 28	VOC	0.40	0.42
TK-31	Tank 31	VOC	0.68	0.25
TK-32	Tank 32	VOC	0.60	0.06
TK-33	Tank 33	VOC	0.60	0.06
TK-34	Tank 34	SB	0.01	0.01
TK-37	Tank 37	VOC	0.60	0.06
TK-38	Tank 38	VOC	0.60	0.06
TK-39	Tank 39	VOC	0.60	0.06
TK-40	Tank 40	VOC	0.36	1.56
TK-41	Tank 41	VOC	0.36	1.56
TK-42	Tank 42	VOC	2.09	0.23

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EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emissio</u>	n Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
TK-45	Tank 45	VOC	0.69	0.37
TK-48	Tank 48	VOC	0.42	1.83
TK-52	Tank 52	VOC	5.02	8.26
TK-53	Tank 53	VOC	10.5	10.6
TK-54	Tank 54	VOC	0.99	4.30
TK-55	Tank 55	VOC	1.7	4.66
TK-56	Tank 56	VOC	1.2	3.53
TK-57	Tank 57	VOC	1.37	4.5
TK-61	Tank 61	VOC	1.37	4.5
TK-62	Tank 62	VOC	1.01	1.40
TK-63	Tank 63	VOC	0.65	0.94
TK-64	Tank 64	VOC	1.11	4.51
TK-65	Tank 65	VOC	0.12	1.49
TK-66	Tank 66	VOC	0.91	3.98
TK-67	Tank 67	NaOH	<0.01	<0.01
TK-68	Tank 68	NaOH	<0.01	<0.01

Emission *	Source	Air Contaminant	<u>Emissio</u>	n Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
TK-69	Tank 69	NaOH	<0.01	<0.01
TK-70	Tank 70	NaOH	<0.01	<0.01
DIB-1	Heater	PM SO_2 NO_X CO VOC	<0.01 <0.04 0.20 0.05 <0.01	0.02 <0.01 0.88 0.22 0.02
H-Penex	Heater	PM SO_2 NO_X CO VOC	<0.01 0.08 0.40 0.10 <0.01	0.04 <0.01 1.77 0.44 0.04
DIB-3	Heater	PM SO ₂ NO _X CO VOC	<0.01 0.04 0.20 0.05 <0.01	0.02 <0.01 0.88 0.22 0.02
DIB-2	Heater	PM SO ₂ NO _X CO VOC	<0.01 0.04 0.20 0.05 <0.01	0.02 <0.01 0.88 0.22 0.02
H-1	Heater	PM SO ₂ NO _X CO VOC	<0.01 0.05 0.24 0.06 <0.01	0.02 <0.01 1.06 0.26 0.02
WP-H300	Heater	PM SO ₂ NO _X CO	0.03 0.28 1.45 0.36	0.14 0.03 6.36 1.59

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Emission *	Source	Air Contaminant	<u>Emission</u>	Rates
Point No. (1)	Name (2)	Name (3)	1b/hr	TPY
		VOC	0.03	0.13
B-3	Heater	PM SO ₂ 0.31 NO _x 1.61 CO 0.40 VOC 0.03	0.04 0.03 7.06 1.77 0.14	0.15
Hot-Oil-1	Heater	PM SO ₂ NO _X CO VOC	0.04 0.40 2.08 0.52 0.04	0.20 0.04 9.11 2.28 0.18
B-1	Boiler	PM SO ₂ NO _X CO VOC	0.04 0.37 1.94 0.48 0.04	0.18 0.04 8.48 2.12 0.17
CATRGN 1	Heater	PM SO ₂ NO _X CO VOC	<0.01 0.03 0.16 0.04 <0.01	0.02 <0.01 0.71 0.18 0.01
CATRGN 2	Heater	PM SO ₂ NO _X CO VOC	<0.01 0.03 0.16 0.04 <0.01	0.02 <0.01 0.71 0.18 0.01

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Emission *	Source	Air	Contaminant	Emission	n Rates
Point No. (1)	Name (2)		Name (3)	lb/hr	<u>TPY</u>
H-STB	Heater		PM SO ₂ NO _x CO VOC	0.01 0.07 0.37 0.09 0.01	0.04 0.01 1.62 0.41 0.03
H-101	Heater		PM SO ₂ NO _X CO VOC	0.06 0.57 2.97 0.74 0.07	0.28 0.06 13.00 3.25 0.29
H-102	Heater		PM SO ₂ NO _X CO VOC	0.04 0.34 1.78 0.44 0.04	0.17 0.03 7.77 1.94 0.16
H-103	Heater		PM SO ₂ NO _X CO VOC	0.04 0.35 1.77 0.45 0.04	0.17 0.04 7.77 1.94 0.16
RH-1	Heater	SO ₂ NO _X CO VOC	PM 0.35 1.84 0.46 0.04	0.04 0.04 8.05 2.01 0.16	0.17

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Emission	Source	Air	Contaminant	<u>Emission</u>	Rates
<u>*</u> Point No. (1)	Name (2)	j	Name (3)	lb/hr	<u>TPY</u>
RH-2	Heater	SO ₂ NO _X CO VOC	PM 0.25 1.26 0.32 0.03	0.03 0.03 5.51 1.38 0.11	0.12
RH-3	Heater	SO ₂ NO _X CO VOC	PM 0.13 0.65 0.16 0.02	0.02 0.02 2.83 0.71 0.06	0.06
B-2	Reboiler		PM SO ₂ NO _x CO VOC	0.02 0.16 0.81 0.21 0.02	0.08 0.02 3.53 0.88 0.07
H-7	Heater		PM SO ₂ NO _x CO VOC	0.02 0.11 0.57 0.15 0.02	0.06 0.02 2.47 0.62 0.05
H-244	Heater		PM SO ₂ NO _X CO VOC	0.02 0.13 0.65 0.17 0.02	0.07 0.02 2.83 0.71 0.06

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Emission	Source	Air	Contaminant	<u>Emission</u>	Rates
<u>*</u> Point No. (1)	Name (2)		Name (3)	lb/hr	TPY
TOTHE NOT (1)	rame (2)			12/111	<u> </u>
H-243	Heater		PM	0.02	0.06
			SO_2	0.11	0.02
			NO _X	0.57	2.47
			CO	0.15	0.62
			VOC	0.02	0.05
H-242	Heater		PM	0.02	0.07
			SO ₂	0.13	0.02
			NO _X	0.65	2.83
			CO	0.17	0.71
			VOC	0.02	0.06
H-TRT	Heater		PM	0.04	0.15
			SO_2	0.30	0.03
			NO_X	1.53	6.71
			CO	0.39	1.68
			VOC	0.04	0.13
H-PREFAC	Heater		PM	0.01	0.04
			SO_2	0.08	0.01
			NO_X	0.41	1.77
			CO	0.11	0.44
			VOC	0.01	0.04
H-B	Heater		PM	0.02	0.07
		SO_2	0.13	0.02	
		NO_X	0.65	2.83	
		CO	0.17	0.71	
		VOC	0.02	0.06	
H-A	Heater		PM	0.04	0.15
			SO_2	0.31	0.03
			NO _X	1.61	7.06

Emission	Source	Air	Contaminant	<u>Emissio</u>	n Rates
<u>*</u> Point No. (1)	Name (2)		Name (3)	lb/hr	TPY
			CO VOC	0.40 0.03	1.77 0.14
IC4-RGN	Heater	SO ₂ NO _X CO VOC	PM 0.02 0.08 0.02 <0.01	<0.01 <0.01 0.35 0.09 0.01	<0.01
F-2	Flare		NOx CO VOC	0.10 0.10 0.95	0.40 0.40 0.61
DR-1	Drum Filling		VOC	1.60	0.40
FUG	Fugitives (4)		VOC	8.81	38.7

- (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 $NO_{\rm X}$ total oxides of nitrogen
 - SO₂ sulfur dioxide
- PM particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not
- listed, it shall be assumed that no PM greater than 10 microns is emitted.

Emission	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3)	lb/hr TPY
as maximum a	m biosulfate m hydroxide ssions are an estim llowable emission r	the facilities are lim	
Hrs/day 8,760	Days/week	Weeks/year o	or Hrs/year _
		Dated	