EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 3295

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 facil-ities. 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 Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
TK-1	Tank 1	VOC	0.16	0.69
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
TK-10	Tank 10	VOC	0.69	0.41
TK-11	Tank 11	VOC	0.69	0.41

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
TK-45	Tank 45	VOC	0.69	0.37
TK-48	Tank 48	VOC	0.53	1.41
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	0.39	6.71
TK-57	Tank 57	VOC	0.44	1.48
TK-61	Tank 61	VOC	0.44	1.48
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	0.12	1.49
TK-67	Tank 67	NaOH	<0.01	<0.01
TK-68	Tank 68	NaOH	<0.01	<0.01
TK-69	Tank 69	NaOH	<0.01	<0.01

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
TK-70	Tank 70	NaOH	<0.01	<0.01
DIB-1	Heater	PM	<0.01	0.02
		SO_2	<0.04	<0.01
		NO_X	0.20	0.88
		CO	0.05	0.22
		VOC	<0.01	0.02
H-Penex	Heater	PM	<0.01	0.04
		SO_2	0.08	<0.01
		NO_X	0.40	1.77
		CO	0.10	0.44
		VOC	<0.01	0.04
DIB-3	Heater	PM	<0.01	0.02
		SO_2	0.04	<0.01
		NO_X	0.20	0.88
		CO	0.05	0.22
		VOC	<0.01	0.02
DIB-2	Heater	PM	<0.01	0.02
		SO_2	0.04	<0.01
		NO_X	0.20	0.88
		CO	0.05	0.22
		VOC	<0.01	0.02
H-1	Heater	PM	<0.01	0.02
		SO_2	0.05	<0.01
		NO_X	0.24	1.06
		CO	0.06	0.26
		VOC	<0.01	0.02
WP-H300	Heater	PM	0.03	0.14
		SO_2	0.28	0.03
		NO_X	1.45	6.36
		CO	0.36	1.59
		VOC	0.03	0.13

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
B-3	Heater	PM	0.04	0.15
		SO_2 0.31	0.03	
		NO_X 1.61	7.06	
		CO 0.40	1.77	
		VOC 0.03	0.14	
Hot-Oil-1	Heater	PM	0.04	0.20
		SO_2	0.40	0.04
		NO_X	2.08	9.11
		CO	0.52	2.28
		VOC	0.04	0.18
B-1	Boiler	PM	0.04	0.18
		SO_2	0.37	0.04
		NO_X	1.94	8.48
		CO	0.48	2.12
		VOC	0.04	0.17
CATRGN 1	Heater	PM	<0.01	0.02
		SO_2	0.03	<0.01
		NO_X	0.16	0.71
		CO	0.04	0.18
		VOC	<0.01	0.01
CATRGN 2	Heater	PM	<0.01	0.02
		SO_2	0.03	<0.01
		NO_X	0.16	0.71
		CO	0.04	0.18
		VOC	<0.01	0.01
H-STB	Heater	PM	0.01	0.04
		SO_2	0.07	0.01
		NO_X	0.37	1.62

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
		CO	0.09	0.41
		VOC	0.01	0.03
H-101	Heater	PM	0.06	0.28
		SO_2	0.57	0.06
		NO_X	2.97	13.00
		CO	0.74	3.25
		VOC	0.07	0.29
H-102	Heater	PM	0.04	0.17
		SO_2	0.34	0.03
		NO_X	1.78	7.77
		CO	0.44	1.94
		VOC	0.04	0.16
H-103	Heater	PM	0.04	0.17
		SO_2	0.35	0.04
		NO_X	1.77	7.77
		CO	0.45	1.94
		VOC	0.04	0.16
RH-1	Heater	PM	0.04	0.17
		SO_2	0.35	0.04
		NO_X	1.84	8.05
		CO	0.46	2.01
		VOC	0.04	0.16
RH-2	Heater	PM	0.03	0.12
		SO_2	0.25	0.03
		NO_X	1.26	5.51

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)		Emission Rates * lb/hr	TPY
		CO	0.32	1.38	
		VOC	0.03	0.11	
RH-3	Heater		PM	0.02	0.06
		SO_2	0.13	0.02	
		NO_X	0.65	2.83	
		CO	0.16	0.71	
		VOC	0.02	0.06	
B-2	Reboiler		PM	0.02	0.08
			SO_2	0.16	0.02
			NO_X	0.81	3.53
			CO	0.21	0.88
			VOC	0.02	0.07
H-7	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-244	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-243	Heater		PM	0.02	0.06
			SO_2	0.11	0.02
			NO_X	0.57	2.47

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
		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
		CO	0.40	1.77
		VOC	0.03	0.14

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)		Emission Rates * lb/hr	TPY
IC4-RGN	Heater		PM	<0.01	<0.01
		SO_2	0.02	<0.01	
		NO_X	0.08	0.35	
		CO	0.02	0.09	
		VOC	<0.01	0.01	
F-2	Flare		NO_X	0.10	0.40
			CO	0.10	0.40
			VOC	0.95	0.61
	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_X - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - particulate matter
CO - carbon monoxide
SB - sodium biosulfate
NaOH - sodium hydroxide
(4) Fugitive emissions are an estimate only and should not be considered as maximum allowable emission rates.

* 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

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY

Dated_____