

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 3131A

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 Point No. (1)	Source		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
E-9a-1	Gas Engine 230 hp Clark .01			NO _x	13.68	59.91
				CO	2.94	12.87
				SO ₂	<0.01	<0
				VOC	0.66	2.88
E-9a-2	Gas Engine 230 hp Clark			NO _x	13.68	59.91
				CO	2.94	12.87
				SO ₂	<0.01	<0.01
				VOC	0.66	2.88
E-9a-3	Gas Engine 230 hp Clark			NO _x	13.68	59.91
				CO	2.94	12.87
				SO ₂	<0.01	<0.01
				VOC	0.66	2.88
E-9c	Gas Engine 1100 hp C-B			NO _x	63	275.9
				CO	1.99	8.7
				SO ₂	<0.01	<0.02
				VOC	0.34	1.49
E-9d	Gas Engine 520 hp White Superior			NO _x	17.18	75.25
				CO	2.06	9.03
				SO ₂	<0.01	<0.01
				VOC	0.23	1.0
E-16	Turbine (31,050 hp)			NO _x	90.3	395.4
				CO	34.2	149.8
				SO ₂	0.14	0.6
				VOC	6.16	26.96

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
E-17	West Boiler	NO ₂	2.73	11.98
		CO	0.68	2.99
		SO ₂	0.01	0.05
		VOC	0.05	0.24
		PM	0.02	0.09
E-18	Vent Stack	EMERGENCY USE ONLY		
E-24	East Boiler	NO _x	3.78	16.58
		CO	0.95	4.14
		SO ₂	0.02	0.07
		VOC	0.08	0.33
		PM	0.03	0.12
E-26	East Glycol Heater	NO _x	1.58	6.93
		CO	0.4	1.73
		SO ₂	0.01	0.03
		VOC	0.03	0.14
		PM	0.01	0.05
E-28	West Glycol Heater	NO _x	1.85	8.09
		CO	0.46	2.02
		SO ₂	0.01	0.03
		VOC	0.04	0.16
		PM	0.01	0.06
E-40	Glycol Storage	VOC	<0.01	<0.01
E-41	Fuel Compressor Lube Oil	VOC	<0.01	<0.01
E-42	Fuel Compressor Lube Oil	VOC	<0.01	<0.01
E-44	Turbine Lube Oil	VOC	<0.01	<0.01
E-45	HC Pump Lube Oil	VOC	<0.01	<0.01

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			lb/hr	TPY
E-46	Expander Lube Oil	VOC	<0.01	<0.01
E-47	PB 87 Lube Oil	VOC	<0.01	<0.01
E-49	Glycol Filter Flush	VOC	<0.01	<0.01
E-50	PB 87 Used Oil	VOC	<0.01	<0.01
E-51	Filtered Glycol-1	VOC	<0.01	<0.01
E-52	Filtered Glycol-2	VOC	<0.01	<0.01
E-53	Filtered Glycol-3	VOC	<0.01	<0.01
E-54	Antifreeze Storage	VOC	<0.01	<0.01
E-55	Amine Storage	VOC	<0.01	<0.01
E-56	Solvent Storage	VOC	<0.01	<0.01
E-57	Fire Pump Fuel	VOC	<0.01	<0.01
E-58	Wastewater Tank	VOC	<0.01	<0.01
E-59	Wastewater Tank	VOC	<0.01	<0.01
E-60	Wastewater Tank	VOC	<0.01	<0.01
E-61	Receiver Vent	VOC	6.0	0.16
		H ₂ S	0.013	0.0003
E-62	Cooling Tower	VOC	0.168	0.74
	Plant Fugitives	VOC(NMNE HC)	36.35	159.2
		VOC(Methanol)	0.21	0.90
		H ₂ S	0.18	0.78

(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 - particulate matter
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
H₂S - hydrogen sulfide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- * 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

Dated_____