

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 8184

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

<u>Emission</u> *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
COMSTK-1	Engine	NO _x	17.9	78.0
	650-HP White-Superior	CO		7.8
	34.0			
	Model 8G825	VOC	1.0	4.0
COMSTK-2	Engine	NO _x	17.9	78.0
	650-HP White-Superior	CO		7.8
	34.0			
	Model 8G825	VOC	1.0	4.0
COMSTK-3	Engine	NO _x	17.9	78.0
	650-HP White-Superior	CO		7.8
	34.0			
	Model 8G825	VOC	1.0	4.0
COMSTK-4	Engine (6)	NO _x	17.9	78.0
	650-HP White-Superior	CO		7.8
	34.0			
	Model 8G825	VOC	1.0	4.0
COMSTK-5	Engine (6)	NO _x	17.9	78.0
	650-HP White-Superior	CO		7.8
	34.0			
	Model 8G825	VOC	1.0	4.0
COMSTK-6	Engine	NO _x	2.56	11.20
	580-HP Waukesha L7402	CO		2.58
	11.30			

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Emission *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
	Rich Burn w/ catalyst 1.26		VOC	0.29
TRBSTK-1	Turbine (6) 3,000-HP Solar Centaur 11.0	NO _x	12.1	53.0
	Model T-4000	CO	2.6	
		VOC	0.7	3.0
TRBSTK-2	Turbine (6) 3,000-HP Solar Centaur 11.0	NO _x	12.1	53.0
	Model T-4000	CO	2.6	
		VOC	0.7	3.0
HOHSTK-1	Hot Oil Heater	NO _x	0.55	2.41
		CO	0.12	0.51
		VOC	<0.01	<0.01
HOHSTK-2	Hot Oil Heater	NO _x	2.36	5.16
		CO	0.59	1.29
		VOC	<0.01	<0.01
RBLSTK-1	Reboiler Stack	NO _x	0.75	2.13
		CO	0.16	0.45
		VOC	<0.01	<0.01
TK-1	Slop Oil Tank	VOC	0.02	0.1
TK-2	Methanol Tank	VOC	0.02	0.1
WT-1	API Separator	VOC	0.39	1.7
GRBVNT	Glycol Reboiler	VOC	0.9	3.94

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CO2VNT	Amine Treater (5)	H ₂ S	5.78	25.3
INC-1	Incinerator (5)	SO ₂	8.8	38.6
		CO		<0.1
		NO _x	1.8	7.9
		VOC		<0.1
		H ₂ S		<0.1
AGFLR-1	Acid Gas Flare (5)	H ₂ S	5.78	25.3
FUG-1	Plant Fugitives (4)	VOC	5.78	21.6

- (1) Emission point identification from plot plan.
- (2) Specific point source name.
- (3) VOC - volatile organic compounds
as defined in General Rule 101.1.
- NO_x - total oxides of nitrogen.
- CO - carbon monoxide.
- H₂S - hydrogen sulfide.
- SO₂ - sulfur dioxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission limit.
- (5) The amine treater, incinerator and the acid gas flare stack shall not be operated simultaneously for the purpose of disposing of acid gas--i.e. only one stack shall vent acid gas at any time.
- (6) EPNs COMSTK-4, COMSTK-5, TRBSTK-1, and TRBSTK-2 are PSD sources for nitrogen dioxide under Permit No. PSD-TX-314M1.

* Facilities may operate:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760