EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 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 Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
STK4	Compressor Engine C B GMV-10 1,100-hp	NO_x	62.99	275.90
		CO	1.99	8.71
		SO_2	0.03	0.15
		VOC	0.34	1.49
		PM_{10} 0.40	1.75	
		Formaldehyde	0.46	1.99
STK5	Compressor Engine Superior 8G825 667-hp	NO_x	14.70	64.41
		CO	14.70	64.41
		SO_2	0.02	0.09
		VOC	1.47	6.44
		PM_{10} 0.10	0.45	
		Formaldehyde	0.11	0.48
STK8	Compressor Engine Superior 6G825 600-hp	NO_x	2.65	11.59
		CO	3.97	17.38
		SO_2	0.02	0.08
		VOC	1.32	5.79
		PM_{10} 0.09	0.40	
		Formaldehyde	0.05	0.21
STK6A, STK6B, STK6C, STK6D	ENG6 Turbine 31,050-hp G.E. Frame 5	NO_x	90.27	395.40
		CO	34.20	149.80
		SO_2	0.74	3.25
		VOC	6.16	26.96
		PM_{10} 1.21	5.30	
		Formaldehyde	0.13	0.57

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
ENG-7A	Turbine 3842-hp Solar 40-T4700	NO_x	25.41	111.30
		CO	11.57	50.68
		SO_2	0.14	0.61
		VOC	0.90	3.93
		PM_{10}	0.23	1.00
		Formaldehyde	0.02	0.11
INCIN1	Acid Gas Incinerator	NO_x	0.46	2.00
		CO	0.38	1.68
		VOC	0.03	0.11
		SO_2	441.98	1936.00
		PM_{10}	0.03	0.15
		Formaldehyde	0.01	0.01
FLR1	Acid Gas Flare (6)	NO_x	0.01	0.05
		CO	0.05	0.21
BLRSTK1	West Boiler	NO_x	1.86	8.13
		CO	1.56	6.83
		SO_2	0.01	0.05
		VOC	0.10	0.45
		PM_{10}	0.14	0.62
		Formaldehyde	0.01	0.01
BLRSTK2	East Boiler	NO_x	2.57	11.25
		CO	2.16	9.45
		SO_2	0.02	0.07
		VOC	0.14	0.62
		PM_{10}	0.20	0.86
		Formaldehyde	0.01	0.01
HTRSTK1	West Glycol Reboiler	NO_x	1.35	5.93
		CO	1.14	4.98

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
		SO_2	0.01	0.04
		VOC	0.07	0.33
		PM_{10}	0.10	0.45
		Formaldehyde	0.01	0.01
HTRSTK2	East Glycol Reboiler	NO_x	1.07	4.70
		CO	0.90	3.94
		SO_2	0.01	0.03
		VOC	0.06	0.26
		PM_{10}	0.08	0.36
		Formaldehyde	0.01	0.01
HTRSTK3	Regeneration Heater Mole Sieve	NO_x	0.82	3.60
		CO	0.69	3.02
		SO_2	0.01	0.02
		VOC	0.05	0.20
		PM_{10}	0.06	0.27
		Formaldehyde	0.01	0.01
VENT1	Process Vent Stack(5)	VOC	3.23	14.13
TNKSLP1	Slop Oil and Condensate	VOC	0.28	1.23
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
E-46	Expander Lube Oil	VOC	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**
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	Drip Wastewater Tank	VOC	0.01	0.01
E-59	South Wastewater Tank	VOC	0.01	0.01
E-60	North Wastewater Tank	VOC	0.01	0.01
E-61	Pig Receiver Vent	VOC	5.95	1.09
		H_2S	0.01	0.01
CT1	CT1 Cooling Tower(5)	VOC	0.17	0.73
FUG1	Plant Fugitives (4)	VOC	9.06	39.70
		H_2S	0.02	0.11

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**
ICN-SA	Smart Ash Portable Incinerator	NO_x	0.05	0.01
		CO	0.21	0.05
		SO_2	0.29	0.07
		VOC	0.03	0.01
		PM_{10}	0.41	0.11

(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, suspended in the atmosphere, including PM_{10}
PM_{10} - particulate matter, equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
H_2S - hydrogen sulfide
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable Special Conditions and permit application representations.
(6) Pilot gas emissions only.

* Except for emission point number (EPN) ICN-SA, emission rates are based on and the facilities are limited by the following maximum operating schedule:

** Compliance with annual emission limits is based on a rolling 12-month period.

_____Hrs/day____Days/week_____Weeks/year or 8,760 Hrs/year

The emission rates of EPN ICN-SA are based on and the facility is limited by the following maximum operating schedule

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**

_____Hrs/day____Days/week_____Weeks/year or 520 Hrs/year

Dated October 19, 2006