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 |
| STK8A | 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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|---|---|---|---|---|
| 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 | $NO_X$ | 3.67 | 2.00 |
| | | CO | 3.08 | 1.68 |
| | | VOC | 0.20 | 0.11 |
| | | $SO_2$ | 441.98 | 1936.00 |
| | | $H_2S$ | 2.21 | 9.68 |
| | | $PM_{10}$ | 0.28 | 0.15 |
| | | Formaldehyde | 0.01 | 0.01 |
| FLR1 | Acid Gas Flare (5) | $NO_X$ | 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 |
| | | $SO_2$ | 0.01 | 0.04 |
| | | VOC | 0.07 | 0.33 |
| | | $PM_{10}$ | 0.10 | 0.45 |
| | | Formaldehyde | 0.01 | 0.01 |

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|---|---|---|---|---|
| HTRSTK3 | Regeneration Heater Mole Sieve | $NO_X$<br>CO<br>$SO_2$<br>VOC<br>$PM_{10}$<br>Formaldehyde | 0.82<br>0.69<br>0.01<br>0.05<br>0.06<br>0.01 | 3.60<br>3.02<br>0.02<br>0.20<br>0.27<br>0.01 |
| VENT1 | Process Vent Stack | VOC | 3.23 | 14.13 |
| TNKSLP1 | Slop Oil and Condensate | VOC | 0.28 | 1.23 |
| E-40 | Glycol Storage | VOC | 0.01 | 0.01 |
| TK-8 | Fuel Compressor Lube Oil | VOC | 0.01 | 0.01 |
| TK-26 | Fuel Compressor Lube Oil | VOC | 0.01 | 0.01 |
| Magnus32 | Turbine Lube Oil | VOC | 0.01 | 0.01 |
| TK-9 | HC Pump Lube Oil | VOC | 0.01 | 0.01 |
| Magnus 68 | Expander Lube Oil | VOC | 0.01 | 0.01 |
| TK-7 | PB 87 Lube Oil | VOC | 0.01 | 0.01 |
| TK-28 | PB 87 Used Oil | VOC | 0.01 | 0.01 |
| TK-35 | Used Glycol Storage Tank | VOC | 0.01 | 0.01 |
| E-52 | Used Glycol Storage Tank | VOC | 0.01 | 0.01 |
| E-53 | Used Glycol Storage Tank | 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 |
| TK-31 | Fire Pump Fuel | VOC | 0.01 | 0.01 |

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|---|---|---|---|---|
| TK-12 | Wastewater Storage Tank | VOC | 0.01 | 0.01 |
| TK-13 | North NGL/Water Receiver Tank | VOC | 0.01 | 0.01 |
| TK-14 | South NGL/Water Receiver Tank | VOC | 0.01 | 0.01 |
| E-61 | Pig Receiver Vent | VOC<br>$H_2S$ | 5.95<br>0.01 | 1.09<br>0.01 |
| CT1 | CT1 Cooling Tower (4) | VOC | 0.17 | 0.73 |
| FUG1 | Plant Fugitives (4) | VOC<br>$H_2S$ | 9.06<br>0.02 | 39.70<br>0.11 |
| FUG-G | G-Line Component Fugitives (4) | VOC<br>$H_2S$ | 0.11<br>0.03 | 0.46<br>0.13 |
| HOH1 | 9.5 MMBTU/HR Hot Oil Heater | VOC<br>Formaldehyde<br>$NO_X$<br>CO<br>$PM_{10}$<br>$SO_2$ | 0.05<br>0.01<br>0.95<br>0.80<br>0.07<br>0.01 | 0.23<br>0.01<br>4.16<br>3.50<br>0.32<br>0.02 |
| HOH2 | 9.5 MMBTU/HR Hot Oil Heater | VOC<br>Formaldehyde<br>$NO_X$<br>CO<br>$PM_{10}$<br>$SO_2$ | 0.05<br>0.01<br>0.95<br>0.80<br>0.07<br>0.01 | 0.23<br>0.01<br>4.16<br>3.50<br>0.32<br>0.02 |

(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) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.

(5) Pilot gas emissions only.

* 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

Dated
July 12, 2011