Permit Number 107153 & PSDTX1328

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, sources, and related activities. 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 | |
|---------------------------|-------------------------|-----------------------------|----------------|---------|
| 140. (1) | Name (5) | | lbs/hour | TPY (4) |
| OC2H121 | Cracking Furnace, F-121 | со | 21.51 | |
| | | NOx | 8.97 | |
| | | SO2 | 8.50 | |
| | | РМ | 2.50 | |
| | | PM10 | 2.50 | |
| | | PM2.5 | 2.50 | |
| | | VOC | 0.74 | |
| | | Ethylene | 0.28 | |
| | | NH3 2.62 | 2.62 | |
| | | H2SO4 | 0.52 | |
| OC2H122 | Cracking Furnace, F-122 | СО | 21.51 | |
| | | NOx | 8.97 | |
| | | SO2 | 8.50 | |
| | | РМ | 2.50 | |
| | | PM10 | 2.50 | |
| | | PM2.5 | 2.50 | |
| | | VOC | 0.74 | |
| | | Ethylene | 0.28 | |
| | | NH3 | 2.62 | |
| | | H2SO4 | 0.52 | |

Project Number: 185971 & 185974

| OC2H123 | Cracking Furnace, F-123 | СО | 21.51 |
|---------|-------------------------|----------|-------|
| | | NOx | 8.97 |
| | | SO2 | 8.50 |
| | | PM | 2.50 |
| | | PM10 | 2.50 |
| | | PM2.5 | 2.50 |
| | | VOC | 0.74 |
| | | Ethylene | 0.28 |
| | | NH3 | 2.62 |
| | | H2SO4 | 0.52 |
| OC2H124 | Cracking Furnace, F-124 | СО | 21.51 |
| | | NOx | 8.97 |
| | | SO2 | 8.50 |
| | | РМ | 2.50 |
| | | PM10 | 2.50 |
| | | PM2.5 | 2.50 |
| | | voc | 0.74 |
| | | Ethylene | 0.28 |
| | | NH3 | 2.62 |
| | | H2SO4 | 0.52 |
| OC2H125 | Cracking Furnace, F-125 | со | 21.51 |
| | | NOx | 8.97 |
| | | SO2 | 8.50 |
| | | PM | 2.50 |
| | | PM10 | 2.50 |

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|-------------------------|----------|--|
| | PM2.5 | 2.50 |
| | voc | 0.74 |
| | Ethylene | 0.28 |
| | NH3 | 2.62 |
| | H2SO4 | 0.52 |
| Cracking Furnace, F-126 | со | 21.55 |
| | NOx | 8.99 |
| | SO2 | 8.51 |
| | РМ | 2.50 |
| | PM10 | 2.50 |
| | PM2.5 | 2.50 |
| | voc | 0.74 |
| | Ethylene | 0.28 |
| | NH3 | 2.63 |
| | H2SO4 | 0.52 |
| Cracking Furnace, F-127 | со | 21.55 |
| | NOx | 8.99 |
| | SO2 | 8.51 |
| | РМ | 2.50 |
| | PM10 | 2.50 |
| | PM2.5 | 2.50 |
| | voc | 0.74 |
| | Ethylene | 0.28 |
| | NH3 | 2.63 |
| | H2SO4 | 0.52 |
| | | VOC Ethylene NH3 H2SO4 Cracking Furnace, F-126 CO NOx SO2 PM PM10 PM2.5 VOC Ethylene NH3 H2SO4 Cracking Furnace, F-127 CO NOx SO2 PM PM10 PM2.5 VOC Ethylene NH3 H2SO4 |

| OC2H128 | Cracking Furnace, F-128 | со | 21.55 | |
|---|---------------------------------|------------------------|-------|--------|
| | | NOx | 8.99 | |
| | | SO2 | 8.51 | |
| | | PM | 2.50 | |
| | | PM10 | 2.50 | |
| | | PM2.5 | 2.50 | |
| | | VOC 0.74 Ethylene 0.28 | 0.74 | |
| | | | 0.28 | |
| | | NH3 | 2.63 | |
| | | H2SO4 | 0.52 | |
| OC2H121, OC2H122, | Сар | со | | 268.40 |
| OC2H123, OC2H124, | | NOx | 47.60 | 194.29 |
| OC2H125, OC2H126, OC2H127, and OC2H128 | | SO2 | 40.00 | 11.04 |
| | | РМ | 14.85 | 65.05 |
| | | PM10 | 14.85 | 65.05 |
| | | PM2.5 | 14.85 | 65.05 |
| | | VOC | | 24.15 |
| | | Ethylene | | 9.10 |
| | | NH3 | | 81.87 |
| | | H2SO4 | 3.74 | 2.96 |
| OC2F5961 | Pressure-Assisted Flare, GF-596 | со | 10.78 | |
| | | NOx | 2.07 | |
| | | SO2 | 0.10 | |
| | | VOC | 3.45 | |
| | | Ethylene | 0.93 | |

| | | Propylene | 0.22 | |
|-------------------------------------|------------------------------|-----------|-------|-------|
| OC2F597 | Low Pressure Flare, FS-597 | СО | 17.61 | |
| | | NOx | 2.52 | |
| | | SO2 | 0.65 | |
| | | VOC | 4.58 | |
| | | Ethylene | 0.05 | |
| | | Propylene | 0.01 | |
| | | NH3 | <0.01 | |
| ОС2ТОХ | LHC-9 TOX | со | 1.10 | |
| | | NOx | 0.67 | |
| | | SO2 | 0.16 | |
| | | PM | 0.08 | 0.20 |
| | | PM10 | 0.08 | 0.20 |
| | | PM2.5 | 0.08 | 0.20 |
| | | VOC | 0.37 | |
| OC2F5961, OC2F597, and OC2TOX | Flare / TOX Source Group Cap | со | | 89.00 |
| | | NOx | | 14.88 |
| | | SO2 | | 0.08 |
| | | PM | | 0.20 |
| | | PM10 | | 0.20 |
| | | PM2.5 | | 0.20 |
| | | VOC | | 14.42 |
| | | Ethylene | | 4.32 |
| | | Propylene | | 0.99 |
| | | NH3 | | <0.01 |

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|----------|-------------------------------|-----------|------|-------|
| OC2CT936 | Cooling Tower CT-936 | VOC | 3.53 | 15.46 |
| | | Ethylene | 1.96 | 5.72 |
| | | Propylene | 1.99 | 5.30 |
| | | РМ | 0.95 | 4.14 |
| | | PM10 | 0.51 | 2.24 |
| | | PM2.5 | 0.01 | 0.01 |
| OC2FU2 | Process Area Fugitives (5) | со | 0.02 | 0.10 |
| | | VOC | 3.27 | 14.30 |
| | | Ethylene | 1.46 | 6.38 |
| | | Propylene | 0.23 | 0.99 |
| | | CL2 | 0.01 | 0.05 |
| | | HCL | 0.02 | 0.08 |
| | | NH3 | 0.10 | 0.42 |
| OC2GE1 | Backup Diesel Generator No. 1 | со | 1.17 | 0.06 |
| | | NOx | 6.09 | 0.29 |
| | | SO2 | 0.23 | 0.01 |
| | | PM | 0.14 | 0.01 |
| | | PM10 | 0.14 | 0.01 |
| | | PM2.5 | 0.14 | 0.01 |
| | | VOC | 0.44 | 0.02 |
| OC2GE2 | Backup Diesel Generator No. 2 | со | 1.17 | 0.06 |
| | | NOx | 6.09 | 0.29 |
| | | SO2 | 0.23 | 0.01 |
| | | PM | 0.14 | 0.01 |
| | | PM10 | 0.14 | 0.01 |

| | | PM2.5 | 0.14 | 0.01 |
|----------|-----------------------------|-------|-------|------|
| | | VOC | 0.44 | 0.02 |
| OC2SV923 | 15% HCL Storage Tank, V-921 | HCL | <0.01 | 0.01 |

- (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) Exempt Solvent Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

HRVOC - highly reactive volatile organic compounds as defined in 30 TAC § 115.10

IOC-U - inorganic compounds (unspeciated)

NOx - total oxides of nitrogen

SO2 - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as

represented

PM10 - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as

represented

PM2.5 - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide
Cl2 Chlorine gas
HCL Hydrochloric Acid
NH3 Ammonia

NH3 Ammonia H2SO4 Sulfuric Acid

HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40

Code of Federal Regulations Part 63, Subpart C

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

| | Date: | March 27, 2014 |
|--|-------|----------------|
|--|-------|----------------|