

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19332

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) | <u>Emission Rates*</u> | |
|--|-----------------------------------|-----------------------------|------------------------|-------|
| | | | #/hr | TPY |
| 22 | Tank F1003 | VOC | 0.13 | <0.01 |
| 408 | Tank F1040 | VOC | 0.03 | <0.01 |
| 413 | Tank F1049 | VOC | 0.03 | <0.01 |
| F460A-F460B | Tanks F460A and F460B | VOC | 0.03 | 0.12 |
| F343J | Tank F343J | VOC | 0.04 | 0.02 |
| 503 | Tank F1047 | VOC | <0.01 | <0.01 |
| 504 | Tank F1048 | VOC | <0.01 | <0.01 |
| 22FUG, FUGB2C2, F300FUG, FUGJ2NBR ANUNLDST, FUGJ1NBR | Combined Process Fugitives (4) | VOC | 2.56 | 10.69 |
| | | NH ₃ | 0.78 | 3.41 |
| | | PM | 1.98 | 3.41 |
| NLTXLDG | Latex Loading | VOC | <0.01 | <0.01 |
| A1-B | B Coag | VOC | 1.22 | 2.67 |
| | | CS ₂ | 0.40 | 0.88 |
| | B Dryer | VOC | 12.21 | 18.53 |
| | | CS ₂ | 1.40 | 3.07 |
| | | PM | 0.02 | 0.09 |
| | | SO ₂ | <0.01 | 0.01 |
| | | NO _x | 0.42 | 1.84 |
| | | CO | 0.37 | 0.08 |
| A4-S | S Coag | VOC | 0.90 | 1.97 |
| | | CS ₂ | 0.30 | 0.66 |
| | S Dryer | VOC | 11.26 | 14.87 |
| | | CS ₂ | 1.06 | 2.33 |
| | | PM | 0.02 | 0.07 |

| | | |
|-----------------|-------|-------|
| SO ₂ | <0.01 | 0.008 |
| NO _x | 0.31 | 1.36 |
| CO | 0.06 | 0.27 |

| Emission | Source | Air Contaminant | <u>Emission Rates*</u> | |
|------------------------|-----------------|-----------------|------------------------|------------|
| <u>Point No. (1)</u> | <u>Name (2)</u> | <u>Name (3)</u> | <u>#/hr</u> | <u>TPY</u> |
| A4-T | T Coag | VOC | 0.90 | 1.97 |
| | | CS ₂ | 0.30 | 0.66 |
| | T Dryer | VOC | 11.26 | 14.87 |
| | | CS ₂ | 1.06 | 2.33 |
| | | PM | 0.02 | 0.07 |
| | | SO ₂ | <0.01 | 0.008 |
| | | NO _x | 0.31 | 1.36 |
| | | CO | 0.06 | 0.27 |
| A2-E | E Vent | VOC | 0.23 | 0.39 |
| | | CS ₂ | 0.17 | 0.37 |
| | E Duct | VOC | 0.34 | 0.58 |
| | | CS ₂ | 0.58 | 1.28 |
| A1-D | D Coag | VOC | 1.22 | 2.67 |
| | | CS ₂ | 0.40 | 0.88 |
| | D Dryer | VOC | 12.21 | 18.53 |
| | | CS ₂ | 1.40 | 3.07 |
| | | PM | 0.02 | 0.09 |
| | | SO ₂ | <0.01 | 0.01 |
| | | NO _x | 0.42 | 1.84 |
| | | CO | 0.37 | 0.08 |
| F243 | Tank F-243 | VOC | <0.01 | 0.01 |
| F122 | Tank F-122 | Mercaptan | 0.01 | <0.01 |
| F119 | Tank F-119 | Mercaptan | 0.01 | <0.01 |
| F410N-F440N | Storage Tanks | VOC | 0.07 | 0.31 |
| F600V1-F600V2 | Storage Tanks | VOC | <0.01 | 0.01 |
| F600Q, F600X, F600R | Storage Tanks | VOC | 0.04 | 0.18 |
| F601 | Storage Tank | VOC | <0.01 | 0.01 |
| F602 | Storage Tank | VOC | <0.01 | 0.01 |
| F600K | Storage Tank | VOC | <0.01 | <0.01 |

| | | | | |
|------|-----------------|-----|-------|-------|
| F100 | Wastewater Tank | VOC | <0.01 | <0.01 |
| F200 | Wastewater Tank | VOC | <0.01 | <0.01 |

| Emission | Source | Air Contaminant | <u>Emission Rates*</u> | | | |
|---------------|------------------------|---|------------------------|-----------------|-------|-------|
| Point No. (1) | Name (2) | Name (3) | #/hr | TPY | | |
| F360KA | | Tank F360KA | | Mercaptan | <0.01 | <0.01 |
| FUGB2VP | | New Vacuum Pump Fugitives (4) | | VOC | 0.16 | 0.71 |
| R1 | | Flare | | VOC | 1.20 | 5.50 |
| | | | | SO ₂ | <0.01 | <0.01 |
| | | | | NO _x | 0.29 | 1.27 |
| | | | | CO | 1.48 | 6.49 |
| A1ADDSY | | A1/A4 Add System Fugitives (4) | | VOC | 0.14 | 0.62 |
| A2ADDSY | | A2 Add System Fugitives (4) | | VOC | 0.30 | 1.36 |
| A6ADDSY | | A3/A6 Add System Fugitives (4) | | VOC | 0.93 | 4.13 |
| ** | A1, A4, A2 combined | Coag, Vent, and Dryer B, D, E, S, and T lines | | VOC | 25.70 | 34.14 |
| | | | | PM | 0.06 | 0.25 |
| | | | | SO ₂ | <0.01 | 0.03 |
| | | | | CS ₂ | 3.92 | 8.59 |
| | | | | NO _x | 1.15 | 5.40 |
| | | | | CO | 0.80 | 0.44 |

** See Special Provision No. 19

- (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) VOC - volatile organic compounds as defined in General Rule 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 CS₂ - carbon disulfide
 PM - particulate matter
 CO - carbon monoxide
 NH₃ - ammonia
- (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 8,784

Dated_____