

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9092

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> | |
|---------------------------|--------------------|-----------------------------|------------------------|-------|
| | | | lbs/hr | TPY |
| G-1 Tanks | T-121 | VOC | 0.012 | 0.054 |
| | T-130 | VOC | 0.042 | 0.183 |
| | T-140 | VOC | 0.160 | 0.703 |
| | T-150 | VOC | 0.034 | 0.149 |
| | T-2121 | VOC | 0.012 | 0.054 |
| | T-2130 | VOC | 1.660 | 0.041 |
| | T-3110 | VOC | 0.298 | 0.005 |
| | T-3120 | VOC | 0.011 | 0.047 |
| | T-3130 | VOC | 0.101 | 0.016 |
| G-6 Tanks | T-125 | VOC | 0.213 | 0.003 |
| | T-3310 | VOC | 0.151 | 0.017 |
| | T-3320 | VOC | 0.151 | 0.002 |
| | T-3330 | VOC | 0.151 | 0.010 |
| | V-335 | VOC | 0.213 | 0.004 |
| | V-362 | VOC | 0.213 | 0.013 |
| | V-2340 | VOC | 0.213 | 0.001 |
| G-2 | Boiler No. 1 | SO ₂ | 0.03 | 0.14 |
| | | PM ₁₀ | 0.27 | 1.17 |
| | | CO | 1.87 | 8.17 |
| | | VOC | 0.15 | 0.65 |
| | | NO _x | 7.46 | 32.68 |
| G-3 | Treater | VOC | 5.2 | 19.9 |
| G-4 | Dryer | VOC | 4.5 | 16.0 |
| | | PM ₁₀ | 5.4 | 16.7 |
| G-5 | Bagging Vent | PM ₁₀ | 0.4 | 1.8 |

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| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates* | |
|---------------------------|---------------------------|-----------------------------|-----------------|-------|
| | | | lbs/hr | TPY |
| 2ST-2 | Dryer | VOC | 3.7 | 16.0 |
| | | PM ₁₀ | 2.7 | 12.0 |
| 2ST-3 | Bagging Vent | PM ₁₀ | <0.1 | 0.3 |
| 2ST-4 | Boiler No. 2 | SO ₂ | 0.02 | 0.08 |
| | | PM ₁₀ | 0.16 | 0.69 |
| | | CO | 1.10 | 4.80 |
| | | VOC | 0.09 | 0.38 |
| | | NO _x | 3.76 | 16.45 |
| Z-1871 | Boiler No. 3 | VOC | 0.18 | 0.81 |
| | | NO _x | 3.96 | 17.34 |
| | | SO ₂ | 0.04 | 0.17 |
| | | PM ₁₀ | 0.33 | 1.45 |
| | | CO | 2.64 | 11.56 |
| Z-2652 | MA-II Vent | PM | 0.01 | 0.01 |
| | | VOC | 0.01 | 0.01 |
| Z-2271 | Pilot Plant | PM ₁₀ | 0.01 | 0.01 |
| | | VOC | 0.13 | 0.01 |
| Z-3652 | After-Treatment MA-III | VOC | 1.36 | 2.50 |
| Z-3654 | Dryer MA-III | VOC | 3.92 | 12.54 |
| | | TSP | 2.04 | 5.36 |
| | | PM ₁₀ | 0.67 | 1.77 |
| Z-3656 | Bagging Vent | TSP | 0.52 | 2.28 |
| | | PM ₁₀ | 0.29 | 1.28 |
| WG-1 | Waste Gas | VOC | 0.31 | 1.21 |
| | | NO _x | 66.22 | 57.89 |

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| | | | | |
|--------|--------------------------------------|------------------|-------|-------|
| F-3601 | Dust Collectors | TSP | 0.29 | 1.28 |
| | | PM ₁₀ | 0.29 | 1.28 |
| F-3603 | Dust Collectors | TSP | 0.29 | 1.28 |
| | | PM ₁₀ | 0.29 | 1.28 |
| WW-1 | Wastewater | VOC | 0.044 | 0.194 |
| F-1 | Fugitives (4) MA-I, MA-II, MA-III | VOC | 1.8 | 7.9 |
| F-PP1 | Fugitives (4) Pilot Plant | VOC | 0.10 | 0.09 |

- (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
CO - carbon monoxide

PM - particulate matter
PM₁₀ - particulate matter less than 10 microns in diameter
TSP - total suspended particulate matter
SO₂ - sulfur dioxide
 - (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 8,760

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Dated _____