

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. S-18925

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> | |
|---------------------------|--|-----------------------------|-------------------------|------------|
| | | | <u>lb/hr</u> | <u>TPY</u> |
| EP-3 | Boiler | VOC | 0.09 | 0.40 |
| | | CO | 0.17 | 0.76 |
| | | NO _x | 0.82 | 3.64 |
| | | PM | 0.04 | 0.16 |
| | | SO ₂ | <0.01 | 0.02 |
| EP-4 | TEA Tank | TEA | 0.03 | <0.01 |
| Neu | Neutralization Tank | VOC | <0.01 | <0.01 |
| EP-5 | Fugitives - Tank Farm (4) | VOC | 0.04 | 0.16 |
| EP-6 | Quat Tank | VOC | 4.00 | 1.67 |
| EP-7 | Truck Loading | VOC | 4.00 | <0.01 |
| EP-8 | Manufacturing Building | VOC | 1.17 | 2.32 |
| EP-9 (5) | Regenerative Thermal Oxidizer 0.56 (RTO) | VOC | | 8.34 |
| | | CO | 0.02 | 0.08 |
| | | NO _x | 0.09 | 0.36 |
| | | PM | 0.01 | 0.05 |
| | | SO ₂ | <0.01 | <0.01 |
| | | HCl and Cl ₂ | 0.09 | 1.07 |
| | | HBr | <0.01 | <0.01 |

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|---------------------------|---------------------------------------|-------------------------------|-------------------------|------------|
| | | | <u>lb/hr</u> | <u>TPY</u> |
| EP-9 (5) | Carbon Adsorption System | VOC | | |
| Backup for RTO Only | (CAS) | HCl and Cl ₂ | | " |
| " | " | HBr | | |
| EP-10 | Repackaging Fugitives | H ₂ O ₂ | 0.19 | 0.03 |
| EP-11 | Solvent Repackaging Fugitives 0.90 | VOC | | 0.21 |

(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

CO - carbon monoxide

NO_x - total oxides of nitrogen

PM - particulate matter

SO₂ - sulfur dioxide

TEA - triethylamine

HCl - hydrogen chloride

Cl₂ - chlorine

HBr - hydrogen bromide

H₂O₂ - hydrogen peroxide

(4) Fugitive emissions are an estimate based on component count.

(5) CAS is backup for RTO - CAS outlet routed into same stack as RTO outlet.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

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Hrs/year 8,760

Dated _____