

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * | |
|---------------------------|--------------------|-----------------------------|------------------|-------|
| | | | lb/hr | TPY** |

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Permit No. 3069A

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.

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| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * | |
|---------------------------|-----------------------|-----------------------------|------------------|-------|
| | | | lb/hr | TPY** |
| B-1 | 400-Hp Boiler | VOC | 0.09 | 0.40 |
| | | NO _x | 1.65 | 7.21 |
| | | CO | 1.38 | 6.05 |
| | | SO ₂ | 0.01 | 0.04 |
| | | PM ₁₀ | 0.13 | 0.55 |
| B-2 | 400-Hp Boiler | VOC | 0.09 | 0.40 |
| | | NO _x | 1.65 | 7.21 |
| | | CO | 1.38 | 6.05 |
| | | SO ₂ | 0.01 | 0.04 |
| | | PM ₁₀ | 0.13 | 0.55 |
| BOT-9 | Batch Out Tank | VOC | <0.01 | <0.01 |
| D-1 | Centrifugal Dryer D-1 | VOC | 0.62 | 2.72 |
| D-2 | Centrifugal Dryer D-2 | VOC | 0.62 | 2.72 |
| D-3 | Centrifugal Dryer D-3 | VOC | 0.62 | 2.72 |
| D-4 | Centrifugal Dryer D-4 | VOC | 0.62 | 2.72 |
| FLARE | Flare | VOC | 6.76 | 28.62 |

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| | | | lb/hr | TPY** |
| | | NO _x 2.25 | 9.86 | |
| | | CO 8.24 | 36.11 | |
| MUTVENT-1 | Blower Vent from Poly Silo to MUT | PM ₁₀ | 0.26 | 0.06 |
| MUTVENT-2 | Blower Vent from Poly Silo to MUT | PM ₁₀ | 0.26 | 0.06 |
| P-1 | Torit Filter | PM ₁₀ | 0.26 | 0.06 |
| R-9 | Reactor 9 | VOC | 31.55 | 2.62 |
| REACTFUG-1 | Reactor 1 Manway Fugitives | VOC | 11.82 | 0.90 |
| REACTFUG-2 | Reactor 2 Manway Fugitives | VOC | 11.82 | 0.90 |
| REACTFUG-3 | Reactor 3 Manway Fugitives | VOC | 11.82 | 0.90 |
| REACTFUG-4 | Reactor 4 Manway Fugitives | VOC | 11.82 | 0.90 |
| REACTFUG-5 | Reactor 5 Manway Fugitives | VOC | 11.82 | 0.90 |
| REACTFUG-6 | Reactor 6 Manway Fugitives | VOC | 15.06 | 1.15 |
| REACTFUG-7 | Reactor 7 Manway Fugitives | VOC | 15.06 | 1.15 |
| REACTFUG-8 | Reactor 8 Manway Fugitives | VOC | 11.82 | 0.90 |
| RPV-1 | Reactor 1, 6, 7, and 8 Purge Vent | VOC | 26.88 | 0.82 |
| RPV-2 | Reactor 2 Purge Vent | VOC | 11.82 | 0.18 |
| RPV-3 | Reactor 3 Purge Vent | VOC | 11.82 | 0.18 |
| RPV-4 | Reactor 4 Purge Vent | VOC | 11.82 | 0.18 |
| RPV-5 | Reactor 5 Purge Vent | VOC | 11.82 | 0.18 |

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| | | | lb/hr | TPY** |
| RPV-9 | Reactor 9 Purge Vent | VOC | 31.55 | 0.48 |
| RPV-10 | Reactor 10 Purge Vent | VOC | 31.55 | 0.48 |
| RPV-11 | Reactor 11 Purge Vent | VOC | 31.55 | 0.48 |
| S-1 | Polystyrene Silo | PM ₁₀ | 0.26 | 0.06 |
| S-2 | Polystyrene Silo | PM ₁₀ | 0.26 | 0.06 |
| S-3 | Polystyrene Silo | PM ₁₀ | 0.26 | 0.06 |
| S-4 | Polystyrene Silo | PM ₁₀ | 0.26 | 0.06 |
| S-5 | Polystyrene Silo | PM ₁₀ | 0.26 | 0.06 |
| S-6 | Polystyrene Silo | PM ₁₀ | 0.26 | 0.06 |
| S-7 | Polystyrene Silo | PM ₁₀ | 0.26 | 0.06 |
| S-8 | Polystyrene Silo | PM ₁₀ | 0.26 | 0.06 |
| S-9 | Polystyrene Silo | PM ₁₀ | 0.26 | 0.06 |
| S-10 | Polystyrene Silo | PM ₁₀ | 0.26 | 0.06 |
| SOCMIFUG | Fugitives (4) | VOC | 0.70 | 3.05 |
| T-4 | Styrene Storage Tank | VOC | 0.77 | 0.88 |
| T-5 | Styrene Storage Tank | VOC | 0.77 | 0.88 |
| T-6 | Styrene Storage Tank | VOC | 0.77 | 0.88 |
| T-32 | HCl Tank | HCl | 2.61 | <0.01 |

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| | | | lb/hr | TPY** |
| TO-1 | Thermal Oxidizer | For emergency upset use only | | |
| Wastewater | Wastewater Fugitives | VOC | 0.65 | 0.66 |

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- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO₂ - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM₁₀.
PM₁₀ - 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.
HCl - hydrogen chloride
- (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 8,760 Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated May 10, 2001