

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 19156

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit.

AIR CONTAMINANTS DATA

| Emission | Source | Air Contaminant | <u>Emission Rates</u> | |
|---|--|-----------------|-----------------------|-------|
| Point No. (1) | Name (2) | Name (3) | lb/hr | TPY |
| Pre-Phosphate Washers and Phosphate System** | | VOC | 19.26 | 30.0 |
| 529 | Pre-Phosphate Washer | | | |
| 500 | Phosphate Entry Air Seal | | | |
| 501 | Phosphate Immersion Cleaner | | | |
| 502 | Phosphate Immersion | | | |
| Prime Coat System (ELPO)** | | VOC | 12.35 | 24.45 |
| 503 | ELPO Immersion Tank | | | |
| 505, 531, 532 | ELPO Oven Exhaust | | | |
| 506, 507 | ELPO Oven Forced Air Cooler | | | |
| 321 | ELPO/Primer Surfacer Oxidizer | | | |
| 173 | Miscellaneous Plantwide Production Related Fugitives | | | |
| Primer/Surfacer System** | | VOC | 76.3 | 151.2 |
| | | PM | 0.80 | 1.70 |
| 510 | Primer Surfacer Mix Room No. 1 | | | |
| 511 | Primer Surfacer Mix Room No. 2 | | | |
| 514 | Primer/Surfacer Oven Exit Air Seal | | | |
| 321 | Booth and Oven, ELPO/Primer Surfacer Oxidizer | | | |
| 173 | Miscellaneous Plantwide Production Related Fugitives | | | |
| 530 | | | | |

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AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|---------------------------|------------------------------|-----------------------------|----------------|-------|
| | | | lb/hr | TPY |
| Topcoat System** | | VOC | 353.3 | 601.7 |
| | | PM | 2.00 | 4.7 |
| 320 | Clear Coat Booths and Ovens | | | |
| 530 | Basecoat Booths | | | |
| | Basecoat Oxidizer | | | |
| 446 | SEO Room No. 1 | | | |
| 447 | SEO Room No. 2 | | | |
| 558,559,560 | Clean Rooms and | | | |
| 561, 562, | Topcoat Ovens | | | |
| 173 | Miscellaneous Plantwide | | | |
| | Production Related Fugitives | | | |
| Blackout/Deadener** | | VOC | 4.1 | 8.1 |
| | | PM | 0.37 | 0.42 |
| 153,154,155,156 | Deadener Operation | | | |
| Final/Spot Repair** | | VOC | 6 | 12.2 |
| | | PM | 0.5 | |
| 173, 361, 362, 363 | Final/Spot Repair | | | |
| 364, 365, 515, 516 | Operations | | | |
| 517, 518, 528, 538 | | | | |

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|---------------------------|--------------------|-----------------------------|----------------|-----|
| | | | lb/hr | TPY |

| | | | |
|--|-----|-----|-----|
| General Assembly/Support Operations** | VOC | 1.0 | 1.0 |
|--|-----|-----|-----|

| | | | |
|---------------|--|--------|--|
| 539 | Final Vehicle Wash Exhaust | | |
| 418, 419, 541 | East and West Fire Pump Engines | Exempt | |
| 542 | Wastewater Treatment Plant Emergency Generator | Exempt | |

| | | | |
|---|-----|------|------|
| Vehicle Start-Up, Rolltest, and Heavy Repair** | VOC | 0.93 | 1.85 |
|---|-----|------|------|

| | | | |
|----------------|------------------|-------|-------|
| 389, 534, 535, | NO _x | 0.99 | 1.98 |
| 536, 537, 540, | CO | 12.06 | 24.12 |
| 390, 391, 392, | PM ₁₀ | 0.20 | 0.40 |
| 393, 394, 533, | SO ₂ | 0.32 | 0.25 |
| 519, 520, 547, | | | |
| 548, 549 | | | |

ANNUAL LIMITS WHEN FIRING NATURAL GAS OR PROPANE AND A MAXIMUM OF 1,157,150 GALLONS OF FUEL OIL

| | | | |
|-----|---------------|-----------------|------|
| 163 | North Boiler | VOC | 0.3 |
| | | NO _x | 19.3 |
| | | CO | 4.8 |
| | | PM | 0.9 |
| | | SO ₂ | 8.3 |
| 164 | Center Boiler | VOC | 0.3 |
| | | NO _x | 19.3 |
| | | CO | 4.8 |
| | | PM | 0.9 |

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AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|---------------------------|--------------------|-----------------------------|----------------|------|
| | | | lb/hr | TPY |
| 165 | South Boiler | SO ₂ | | 8.3 |
| | | VOC | | 0.3 |
| | | NO _x | | 19.3 |
| | | CO | | 4.8 |
| | | PM | | 0.9 |
| | | SO ₂ | | 8.3 |

SHORT-TERM LIMITS WHEN FIRING FUEL OIL

| | | | |
|-----|---------------|-----------------|-------|
| 163 | North Boiler | VOC | 0.11 |
| | | NO _x | 10.71 |
| | | CO | 2.68 |
| | | PM | 1.07 |
| | | SO ₂ | 22.82 |
| | | | |
| 164 | Center Boiler | VOC | 0.11 |
| | | NO _x | 10.71 |
| | | CO | 2.68 |
| | | PM | 1.07 |
| | | SO ₂ | 22.82 |
| | | | |
| 165 | South Boiler | VOC | 0.11 |
| | | NO _x | 10.71 |
| | | CO | 2.68 |
| | | PM | 1.07 |
| | | SO ₂ | 22.82 |
| | | | |

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 |

SHORT-TERM LIMITS WHEN FIRING NATURAL GAS OR PROPANE

| | | | | |
|-----|-------------------------|-----------------|-------|------|
| 163 | North Boiler | VOC | 0.20 | |
| | | NO _x | 10.24 | |
| | | CO | 2.56 | |
| | | PM | 0.37 | |
| | | SO ₂ | 0.80 | |
| 164 | Center Boiler | VOC | 0.20 | |
| | | NO _x | 10.24 | |
| | | CO | 2.56 | |
| | | PM | 0.37 | |
| | | SO ₂ | 0.80 | |
| 165 | South Boiler | VOC | 0.20 | |
| | | NO _x | 10.24 | |
| | | CO | 2.56 | |
| | | PM | 0.37 | |
| | | SO ₂ | 0.80 | |
| 191 | Maintenance Paint Booth | VOC | 10.0 | 1.2 |
| | | PM | 2.34 | 0.28 |
| 440 | Waste Thinner Tank | VOC | 1.0 | 2.1 |
| 439 | Waste Paint Tank | VOC | 1.0 | 2.1 |

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| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|--|--|-----------------------------|--------------------|------|
| | | | lb/hr | TPY |
| Tank Farm (Excluding Fuel Oil Tanks)** | | VOC | 1.3 (Ann. Avg.) | 2.84 |
| 182 | Tank Farm Tank No. 1 Unleaded Gasoline | | | |
| 397 | Tank Farm Tank No. 2 Antifreeze | | | |
| 183 | Tank Farm Tank No. 3 Automatic Transmission Fluid | | | |
| 184 | Tank Farm Tank No. 4 Unleaded Gasoline | | | |
| 185 | Tank Farm Tank No. 5 Purge Thinner | | | |
| 182A | Tank Farm Tank No. 6 Unleaded Gasoline | | | |
| 186 | Tank Farm Tank No. 7 Antifreeze | | | |
| 187 | Tank Farm Tank No. 8 Rear Axle Oil | | | |
| 185A | Tank Farm Tank No. 9 Unleaded Gasoline | | | |
| 188 | Tank Farm Tank No. 10 Power Steering Fluid | | | |
| 525, 526, 543, 173 | Stage II Oxidizers and All Other Fluid Fill Operations** | VOC | 0.37 | 0.81 |
| 545 | Sawdust Collector | PM | 5.0 | 0.5 |

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| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|---------------------------|---|-----------------------------|----------------|--------|
| | | | lb/hr | TPY |
| 173 | Plantwide Natural Gas Combustion (excluding Boilers) | VOC | 1.62 | 7.09 |
| | | NO _x | 29.44 | 128.96 |
| | | CO | 24.73 | 108.33 |
| | | PM | 2.24 | 9.80 |
| | | SO ₂ | 0.18 | 0.77 |
| 173 | Misc. Plantwide Chemicals (Sealers, Adhesives, Booth Cleaners, Wipes, Purge Thinner, and Miscellaneous Materials) | VOC | 86.9 | 153.0 |

- (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 area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.
- 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 PM greater than 10 microns is emitted.
- NO_x - total oxides of nitrogen
- CO - carbon monoxide
- SO₂ - sulfur dioxide

** Emission rate represents total emissions from grouped sources.

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AIR CONTAMINANTS DATA

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

Dated September 22, 2005