

Emission Sources - Maximum Allowable Emission Rates

Permit Number 38803

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, sources, and related activities. 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) | Emission Rates | |
|---|---|-----------------------------|----------------|---------|
| | | | lbs/hour | TPY (4) |
| Scenario 1: Miscellaneous cleaning and coatings operations other than Large Part (Pipe) operations. (5) | | | | |
| CB4, CB5, CB6, CB7, CB8, CB10, and CB11, CO4, CO5, CO6, CO7, CO8, CO10, and CO11 | 7 Coating Booths, all emissions combined (CB11 is powder coating) and the oven drying/ curing of those parts in the listed ovens, other than pipe coating operations. | VOC | 3.00 | 2.37 |
| CB4, CB5, CB6, CB7, CB8, CB10, and CB11 | Coatings related PM emissions other than pipe coating operations, all emissions combined. | PM ₁₀ | 0.07 | 0.05 |
| CO4, CO5, CO6, CO7, CO8, CO10, and CO11 | Oven based degreasing emissions, all emissions combined. | VOC | 0.54 | 0.55 |
| GB3 | Grit Blast Room 3 | PM ₁₀ | 0.01 | 0.01 |
| CO5, CO6, CO7, CO8, CO10, and CO11 | 6 Curing Ovens, all emission from natural gas combustion combined. (9) | PM ₁₀ | 0.09 | 0.39 |
| | | SO _x | 0.01 | 0.03 |
| | | NO _x | 1.18 | 5.15 |
| | | CO | 0.99 | 4.33 |
| | | TOC | 0.13 | 0.57 |
| Scenario 2a: Large Part (pipe) Cleaning and Coating Operations Control Option: No Add On Controls (6) | | | | |
| CB8 | Coating Booth 8 pipe coating operations only. | VOC | 2.22 | 0.75 |
| | | PM ₁₀ | 0.03 | <0.01 |
| CO10 | Drying oven emissions related to Pipe coating operations | VOC | 3.03 | 2.22 |

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|---|---|------------------|-------|-------|
| | only. | | | |
| BldgFug | Air dry of coated pipe | VOC | 2.78 | 0.42 |
| CO10 and AddnFug | Pipe degreasing operations, total of CO10 and AddnFug | VOC | -- | 1.61 |
| CO10 | Pipe degreasing operations | VOC | 9.82 | -- |
| AddnFug | Pipe degreasing operations | VOC | 2.07 | -- |
| AddnFug | Pipe abrasive blast cleaning | PM ₁₀ | 0.01 | 0.01 |
| Scenario 2b: large Part (pipe) Cleaning and Coating Operation Control Option: Add On VOC Controls (7) | | | | |
| TherOx | Coating emissions from CB8 and CO10, combined. | VOC | 1.64 | 0.29 |
| | | PM ₁₀ | 0.03 | <0.01 |
| | Thermal oxidizer emissions from natural gas combustion. | PM ₁₀ | 0.04 | 0.16 |
| | | SO _x | 0.01 | 0.01 |
| | | NO _x | 0.49 | 2.15 |
| | | CO | 0.41 | 1.80 |
| | | TOC | 0.05 | 0.24 |
| BldgFug | Air dry of coated pipe | VOC | 2.78 | 0.42 |
| CO10 and AddnFug | Pipe degreasing operations, total of CO10 and AddnFug | VOC | -- | 1.61 |
| CO10 | Pipe degreasing operations | VOC | 9.82 | -- |
| AddnFug | Pipe degreasing operations | VOC | 2.07 | -- |
| AddnFug | Pipe abrasive blast cleaning | PM ₁₀ | <0.01 | <0.01 |

Scenario 3: Sitewide Limitations (8)

| | | | | |
|----------|-----------------|----------------|----|--------|
| Sitewide | Various Sources | Total HAPs | -- | <25.00 |
| | | Individual HAP | -- | <10.00 |

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- (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 Title 30 Texas Administrative Code § 101.1
 - TOC - total organic compounds, not characterized elsewhere, from fuel gas combustion
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 - PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 - CO - carbon monoxide
 - HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Miscellaneous coatings operations are those that do not include the Large Part (Pipe) coating operations.
- (6) Large Part (Pipe) Coating Operations Control Option Number 1: No Add On VOC Controls. This option establishes emissions limitations where compliance with the Chapter 115 limitations related to Surface coating operations are to be met without add-on controls.
- (7) Large Part (Pipe) Operations Control Option Number 2: Add On VOC Controls. This option establishes emissions limitations where compliance with the Chapter 115 limitations related to Surface coating operations are to be met with add-on controls.
- (8) Scenario 3: Sitewide Limitations apply at all times to all sources combined on the site.
- (9) Oven 4 (CO4) is an electric oven and therefore has no associated products of combustion.

Date: _____