

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 5918C

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> |
| SC-2 | Kiln No. 2 Baghouse Stack | TSP | 10.8 | 47.3 |
| | | PM ₁₀ | 9.1 | 39.7 |
| | | VOC | 18.8 | 82.2 |
| | | NO _x | 295.5 | 1294.3 |
| | | SO ₂ | 33.4 | 146.3 |
| | | CO | 100.0 | 438.0 |
| S-A-19 | FCC Catalyst Silo Baghouse 5.63 | TSP | | 1.29 |
| | | PM ₁₀ | 0.64 | 2.82 |
| Fug** | Material Handling (4) | TSP | 0.41 | 1.80 |
| | | PM ₁₀ | 0.19 | 0.85 |
| F-A-7b | Styrene Catalyst Bunker Stockpile (4) | TSP | | 0.05 |
| | | PM ₁₀ | | 0.03 |
| F-A-15a | Styrene Catalyst Stockpile (4) 0.10 | TSP | | |
| | | PM ₁₀ | | 0.05 |
| F-A-15b | Mill Scale Stockpile (4) | TSP | | 0.35 |
| | | PM ₁₀ | | 0.16 |
| F-A-15c | Aluminum Filter Cake Stockpile (4) | TSP | | 0.10 |
| | | PM ₁₀ | | 0.05 |
| F-A-15d | Bauxite Ore Stockpile (4) | TSP | | 0.10 |
| | | PM ₁₀ | | 0.05 |

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|---------|---------------------------------|------------------|------|
| F-A-16b | Mill Scale Bunker Stockpile (4) | TSP | |
| | 0.17 | | |
| | | PM ₁₀ | 0.08 |
| F-A-20b | Aluminum Filter Cake Bunker | TSP | |
| | 0.05 | | |
| | Stockpile (4) | PM ₁₀ | 0.03 |

- (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) TSP - total suspended particulate matter (including PM₁₀)
PM₁₀ - particulate matter less than 10 microns in diameter
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
- (4) Fugitive emissions are an estimate only.

** Emission points are represented in permit amendment application dated February 1996. Fugitive emission rates are for the alternate materials being supplied to all three kilns.

* 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

Dated_____