EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 29562E

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) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|
| 1 | Drum/Dryer Baghouse Stack | VOC (a) | 41.3 | 19.18 |
| | | VOC (b) | 525.00 | 65.63 |
| | | VOC (c) | 56.50 | 5.65 |
| | | $NO_x$ | 12.60 | 6.75 |
| | | CO | 13.30 | 7.13 |
| | | $SO_2$ | 8.95 | 10.65 |
| | | $PM_{10}$ | 12.55 | 6.72 |
| 2 | Material Handling (4) | PM | 5.72 | 3.11 |
| | | $PM_{10}$ | 1.45 | 0.80 |
| 3 | Stockpiles (4) | PM | * | 1.83 |
| | | $PM_{10}$ | * | 0.88 |
| | | VOC (b) | 1.05 | 6.56 |
| 4 | Caterpillar D389 Generator (4) | $NO_x$ | 19.8 | 50.45 |
| | | CO | 4.36 | 11.12 |
| | | $SO_2$ | 2.00 | 5.10 |
| | | $PM_{10}$ | 0.4 | 1.03 |
| | | VOC | 0.6 | 1.53 |
| 5 | Lime Storage Silo | $PM_{10}$ | 0.05 | 0.01 |

(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 Section 101.1
VOC(a) - from standard mix asphalt concrete
VOC(b) - from cold mix asphalt concrete
VOC(c) - total VOCs from recycled rubber modified asphalt concrete mixes
$NO_x$ - nitrogen oxide
CO - carbon monoxide

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$SO_2$ - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including $PM_{10}$.
$PM_{10}$ - 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.

(4) Fugitive emissions are an estimate only.

* Emission rates are based on and the facility is limited to the following asphalt concrete production rates and operating schedule:

| | tons/hour | tons/week | tons/year |
|---|---|---|---|
| Standard hot-mix | | 350 | 300,000 |
| Recycled rubber modified mixes | 250 | | **50,000 |
| Cold mix asphalt with emulsion | 300 | 10,000 | *** |
| Cold mix asphalt with slow cure | 262 | 8,750 | *** |
| Cold mix asphalt with rapid cure | 210 | 5,000 | *** |
| Cold mix asphalt with medium cure | 150 | 5,000 | *** |

** Included in the standard hot-mix annual limit.

*** Total production of cold-mix asphalt concrete with cutback or emulsion will be governed by the following:

| Cold mix asphalt with: | tons/hour | tons/week | tons/year |
|---|---|---|---|
| emulsion | 300 | 10,000 | EM |
| slow cure cutback | 262 | 8,750 | SC |
| rapid cure cutback | 210 | 5,000 | RC |
| medium cure cutback | 150 | 5,000 | MC |

The maximum annual production of cold-mix asphalt concrete is governed by the following equation:

$$75{,}000 \text{ tpy} = 2\,(\text{MC})\text{ tpy} + 1.43\,(\text{RC})\text{ tpy} + 1.14\,(\text{SC})\text{ tpy} + (\text{EM})\text{ tpy}$$

The use of cutback oil additive will be limited to a maximum concentration of 8.5 percent oil (by weight) of cold-mix asphalt produced.

The use of emulsion additive will be limited to a maximum concentration of 8.0 percent (by weight) of cold-mix asphalt produced.

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__14__ hours/day __7__ days/week __52__ weeks/year __3,920__ hours/year