

Vic Davis Construction
Facility ID: 82-0639
Permit No: E82165

Vic Davis Construction

| | | |
|--|-------|---|
| Maximum Annual Production (ton/yr) | 15000 | APC 109 Application |
| Design Operating Rate (ton/hr) | 250 | APC 109 Application |
| Actual Operating Rate (ton/hr) | 100 | APC 109 Application |
| Operating Time based on Operating Rate (hr/yr) | 150 | [Maximum Annual Production (ton/yr)]/[Actual Operating Rate (ton/hr)] |

Potential Fugitive PM Emissions based on Maximum Production

| Equipment | Unit | EF (lb/ton) | Operating Rate (ton/hr) | PM (lb/hr) | PM (ton/yr) |
|---------------------------------------|------|-------------|-------------------------|------------|-------------|
| McCloskey R230 | 1 | 0.025 | 100 | 2.50 | 0.19 |
| Barford TR8036 | 2 | 0.003 | 100 | 0.60 | 0.05 |
| Total Potential Fugitive PM Emissions | | | | 3.10 | 0.23 |

Potential Fugitive PM Emissions for Equipment (lb/hr) = Unit*[EF (lb/ton)]*[Operating Rate (ton/hr)]

Total Potential Fugitive PM Emissions (ton/yr) = [Potential Fugitive PM Emissions for Equipment (lb/hr)]*[Operating Time based on Operating Rate (hr/yr)]/[2000 (lb/ton)]

Notes:

Fugitive PM Emission factors are provided in AP 42, Chapter 11, Section 19.2, Table 11.19.2-2.
EF denotes as Emission Factor

Allowable Fugitive PM Emissions based on Maximum Production

| Source | EF (lb/ton) | PWR (ton/hr) | PM (lb/hr) | PM (ton/yr) |
|--|-------------|--------------|------------|-------------|
| Stationary Rock Crushing and Screening Operation | 17.31 | 250 | 41.88 | 3.14 |

Allowable Fugitive PM for Source (lb/hr) = [EF (unitless)]*[PWR (ton/hr)]^0.16

Total Allowable Fugitive PM Emissions (ton/yr) = [Allowable Fugitive PM for Source (lb/hr)]*[Operating Time based on Operating Rate (hr/yr)]/[2000 (lb/ton)]

Notes:

Allowable Fugitive PM emissions are based on TAPCR 1200-03-07-.03, Table 2.
Potential Emissions will be set to equal Allowable Emissions in terms of annual tonnage when the calculated value exceed the regulated limit.
EF denotes as Emission Factor

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Pint Shade values are found in the application information.

Blue Shade values are found in the Emission Summary.

Values in **BOLD** are found in the Construction/Operating Permit.