

Mould Preheating Emissions
Arglass Yamamura, LLC
Valdosta Georgia

| <i>Firing Rate and Fuel Use:</i> ⁽¹⁾ | |
|-----------------------------------------------------------|----------|
| Maximum Firing Rate (MMScf/hr) | 0.002 |
| Average Firing Rate (MMScf/hr) | 0.001 |
| Heating value of Fuel (MMBtu/MMScf) | 1,020 |
| Maximum Firing Rate (MMBtu/hr) | 2.047 |
| Average Firing Rate (MMBtu/hr) | 0.682 |
| Total Annual Operating Hours (hr/yr) | 8,760 |
| Potential Annual Heat Input (MMBtu/yr) | 17,934 |
| Potential Annual Fuel Usage (MMScf/yr) | 17.58 |
| <i>Emission Factors (lb/MMscf)</i> ⁽²⁾ | |
| CO | 84 |
| NOx | 100 |
| SO2 | 0.6 |
| PM/PM-10/PM-2.5 | 7.6 |
| VOC | 5.5 |
| <i>Emission Factors (ton/MMBtu)</i> ⁽³⁾ | |
| CO ₂ | 5.84E-02 |
| CH ₄ | 1.10E-06 |
| N ₂ O | 1.10E-07 |
| <i>Hourly Emissions (lb/hr)</i> | |
| CO | 0.17 |
| NOx | 0.201 |
| SO2 | 0.001 |
| PM/PM-10/PM-2.5 | 0.015 |
| VOC | 0.011 |
| <i>Annual Emissions (TPY)</i> | |
| CO | 0.25 |
| NOx | 0.29 |
| SO2 | 0.002 |
| PM/PM-10/PM-2.5 | 0.022 |
| VOC | 0.016 |
| CO ₂ e | 1049.2 |

Notes:

- (1) Heat inputs and firing rates are calculated for four (4) lehrs combined.
- (2) Emission factors are based on AP-42 Table 1.4-2 natural gas combustion for small boilers (<100 Mmbtu/hr)
- (3) Calculated based on emission factors in 40 CFR 98 Subpart C, Tables C-1 & C-2