

Southwest Clean Air Agency

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AFTER BURNER

MANUFACTURER:

Manufacturer name _____
Model name _____
Model number _____
Serial number _____
Source test data available Yes No (incl. with application)

INPUT:

Maximum gas volume to after burner _____ scfm
Minimum/maximum gas temperature to after burner _____ degrees Fahrenheit
Contaminant concentration to after burner _____ lbs/hr
Type or composition of exhaust gas _____ ppm
Oxygen concentration _____ %

BURNER:

Number of after burner nozzle(s) _____
Dimensions of after burner nozzle(s) _____ x _____
Supplemental fuel type _____
Supplemental fuel rate _____ cu ft/min
Low NO_x design Yes No

COMBUSTION CHAMBER:

Dimensions _____
Volume _____ cubic ft
Retention time _____ seconds
Refractory type _____
Temperature (combustion chamber) _____ degrees Fahrenheit
Catalyst Yes No
Catalyst type _____

EXHAUST:

Stack height (above ground level) _____ feet
Stack diameter _____ feet
Flowrate at outlet _____ cu ft/min
Temperature at outlet _____ degrees Fahrenheit
Rain cap (not to impact vertical flow) Yes No
Provisions for sampling Yes No

INSTRUMENTATION:

Flame failure controls Yes No
Thermocouple placement _____
Temperature recorder Yes No
Automatic temperature controller Yes No

DRAWINGS:

Facility plot plan
Equipment layout
Equipment details
Vendor specification sheets