

# 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 NOx 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