

# SHASTA COUNTY DEPARTMENT OF RESOURCE MANAGEMENT AIR QUALITY MANAGEMENT DISTRICT

1855 PLACER STREET, SUITE 101, REDDING, CA 96001

VOICE (530)225-5674/FAX (530)225-5237

## SUPPLEMENTAL INFORMATION: BOILER/PROCESS HEATER

Company: \_\_\_\_\_

Specifications / Information:

Manufacturer: \_\_\_\_\_ Model Number: \_\_\_\_\_

Fuel Type(s): \_\_\_\_\_ Serial Number: \_\_\_\_\_

Rated heat input capacity (specified on nameplate): \_\_\_\_\_ BTU/hr

What is the primary purpose of the boiler or process heater? \_\_\_\_\_

Operation schedule (maximum): \_\_\_\_\_ hours/day \_\_\_\_\_ days/week \_\_\_\_\_ weeks/year

If operated seasonally, indicate the percent use in each quarter: \_\_\_\_\_ % Jan-Mar \_\_\_\_\_ % Apr-Jun \_\_\_\_\_ % Jul-Sep \_\_\_\_\_ % Oct-Dec

Fuel Usage Rate (maximum-daily): \_\_\_\_\_ therms/day \_\_\_\_\_ cuft/day \_\_\_\_\_ gallons/day

Fuel Usage Rate (maximum-annual): \_\_\_\_\_ therms/yr \_\_\_\_\_ cuft/yr \_\_\_\_\_ gallons/yr

Exhaust Emission Information:

HEIGHT OF EXHAUST STACK ABOVE THE GROUND (in feet)	
INSIDE DIAMETER OF EXHAUST STACK (in feet)	
AVERAGE FLOW OF EXHAUST AIR (specify acfm or dscfm)	
MAXIMUM FLOW OF EXHAUST AIR (specify acfm or dscfm)	
PERCENT MOISTURE OF EXHAUST AIR	
TEMPERATURE OF EXHAUST AIR (in °F)	

NO <sub>2</sub> (as ppmv or #/MMBtu at 3% O <sub>2</sub> , dry)	
CO (as ppmv at 3% O <sub>2</sub> , dry)	
AMMONIA SLIP (as ppmv at 3% O <sub>2</sub> , dry)	
STACK GAS OXYGEN (as %)	
SO <sub>2</sub> (as ppmv at 12% CO <sub>2</sub> , std conditions)	
PARTICULATE MATTER (as grains per dry standard cubic foot)	

If the boiler/process heater has a rated heat input of more than 1,000,000 BTU/hr and less than 5,000,000 BTU/hr, check one of the following options you will accept as a permit condition to control NOx emissions:

<input type="checkbox"/>	Perform an annual tune-up for compliance (tune-up procedures specified in District Rule 3:26)
<input type="checkbox"/>	Compliance to emission limit set for NOx (as specified in District Rule 3:26 -- NOx ≤ 70 ppmvd at 3% O <sub>2</sub> , dry)
<input type="checkbox"/>	Operate with a stack gas oxygen trim system set at 3% oxygen by volume.
<input type="checkbox"/>	Operate with a stack gas oxygen concentration less than or equal to 3% by volume for any 15 minute averaging period.

If the boiler/process heater has a rated heat input of greater than 5,000,000 BTU/hr, regulations require installation of a dedicated non-resettable totalizing volumetric or mass-flow fuel meter (if gaseous and/or liquid fuel only). Meter specifications are requested.

Filer's Printed Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NOTICE:** After the Authority to Construct is granted, any deviation from approved plans is not permitted without first securing additional approval from the Air Pollution Control Officer. As stated in the Health and Safety Code Sections 41510, 41511, and 42304, the Air Quality Management District shall make random audits on submitted data to insure the appropriateness of such data. The willful submission of false or inaccurate data constitutes a misdemeanor per Health and Safety Code Section 42400.