

**FORM B100
BOILERS AND HEATERS**

Business License Name of organization that is to receive permit:

BOILER AND HEATER SUMMARY

Boiler/ Heater Manufacturer: _____

Model Number: _____

Boiler Type: _____ Atmospheric _____ Non- Atmospheric

Maximum Boiler Rating: _____ BTU/hour input

Maximum Burner Rating: _____ BTU/hour input

Is Flue Gas Recirculation used? _____ Yes _____ No

Boiler/Heater Use:

_____ space heating _____ industrial process

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BOILERS & HEATERS

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FUEL USAGE SECTION

Indicate Primary Fuel _____ Indicate Standby Fuel _____

EXEMPTION - LOW FUEL USAGE

A boiler may qualify for a low fuel usage exemption from the emission standards effective pursuant to the applicable schedule in Section 407 of Rule 411 - Boiler NO_x, if the annual fuel usage does not exceed the applicable level in the table below (1 Therm = 100,000 BTU's).

Boiler Size (mmBtu/hr)	Annual Fuel Usage (therms/yr)
1 - <2.5	40,000
≥2.5 - <5	70,000
≥5 - <100	200,000
≥100	300,000

If you are requesting a low fuel usage exemption from Rule 411 - Boiler NO_x then complete the following:

Submit records that clearly demonstrate that the unit has operated below the applicable low fuel usage limits specified above at all times since October 27, 2006.

Check the method used for determining annual fuel usage. _____ Non-resetting totalizing fuel meter
_____ Non-resetting totalizing hour meter

1) Non-resetting totalizing fuel meter

Meter Type _____ (either "Main PG&E meter" used for billing purposes or "other")

If "Main PG&E Meter", then list all other natural gas consuming equipment that are connected to this meter.

Note: When using one main PG&E gas meter which has other gas consuming equipment connected to it, compliance with the low fuel exemption will be determined from the totalized meter reading regardless if the boiler's fuel consumption is only a portion of the totalized meter reading.

If "other", then

Make and Model _____

Date of installation _____

Does the meter compensate for pressure and temperature using integral gauges _____ Yes _____ No

2) Non-resetting totalizing hour meter

Note: Fuel usage will be determined by multiplying hours by maximum heat input of the unit

Approval of low fuel usage exemption requires one of the following conditions be met. Which of the following will be used?:

_____ Maintain stack-gas oxygen concentrations at less than or equal to 3.00% by volume on a dry basis.

Note: This will require testing to verify compliance

_____ The unit shall be tuned at least once per calendar year in accordance with the procedure described in Attachment A in Rule 411 - Boiler NO_x.

Note: The first boiler tune-up shall be performed in the calendar year that the low fuel usage permit is issued.

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FUEL TYPE/ GAS

Specify Type: _____ Natural Other (specify) _____

For digester, landfill, field or process gas:

H ₂ S content _____ grain/100 cubic feet	Heat content _____ BTU/cubic feet.
State maximum gas usage : _____	cubic feet/day
_____	cubic feet/calendar quarter
_____	cubic feet/calendar year

This information will be used to determine the maximum emission levels to be imposed in the permit conditions.

FUEL TYPE/ LIQUID
(If you use fuel oil as a standby, complete both gas and liquid sections.)

Specify Type : _____ Diesel No. (specify number): _____ Other (specify) _____

Sulfur content: _____ % by weight

State maximum liquid fuel usage: _____ gal/week _____ gal/calendar year

State maximum liquid fuel operation _____ hrs/yr maintenance * _____ hrs/yr non-maintenance *

This information will be used to determine the maximum emission levels as set forth in the permit conditions.

* A boiler that uses a non gaseous fuel as emergency standby may qualify for a less stringent NO_x concentration limit (150 ppmvd @ 3% O₂), in Rule 411 - Boiler NO_x, if the boiler is operated for no more than 168 hours per year for actual emergency operations and for no more than 48 hours per year for equipment and emission testing time.

Are you requesting a liquid fuel emergency standby limit? _____ Yes _____ No

If "Yes", a non-resetting totalizing hour meter will be required to verify compliance with the annual hourly limits specified above.

I have included manufacturer emission data guarantees or source test report.

I was unable to obtain emission data guarantees or source test report. Explain:

Print name of person to contact regarding the information on this form :

Business contact phone number:
