



**BAAQMD Regulation 9, Rule 7 - Boiler Certification Application Form**  
**375 Beale Street, Suite 600, San Francisco, CA 94105**

*(Please complete a separate form for each model of heater you wish to certify.)*

Manufacturer name: \_\_\_\_\_  
 Contact name and title (*print*): \_\_\_\_\_ Phone: \_\_\_\_\_  
 E-mail: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_  
 State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Attach the following information for the model listed below (incomplete applications will not be processed):

- A Source Test Report showing compliance with the NO<sub>x</sub> and CO emission limits indicated below (Regulation 9-7-307). The Source Test must be based on a BAAQMD, CARB or U.S. EPA test method specified in Regulation 9-7-606 (check applicable standard):**
  - 9-7-307.1 (>2 to 5 MM BTU/hr maximum heat input: no more than 30 ppmv NO<sub>x</sub> and 400 ppmv CO, both dry at 3% exhaust oxygen).
  - 9-7-307.2 (>5 to <10 MM BTU/hr maximum heat input: no more than 15 ppmv NO<sub>x</sub> and 400 ppmv CO, both dry at 3% exhaust oxygen).

Complete all sections below for each model that you wish to certify.<sup>1</sup> Indicate “unknown” for unknown data and “N/A” for data that does not apply:

<b>Boiler/Heater Model Name</b>	_____	
<b>Model Number</b>	_____	
<b>Max. Heat Input (BTU/hr)</b>	_____	
<b>Burner Make &amp; Model</b>	_____	
<b>Type of Burner (check all that apply)</b>	<input type="checkbox"/> Staged Combustion	<input type="checkbox"/> O <sub>2</sub> trim system
	<input type="checkbox"/> Pre-mixing	<input type="checkbox"/> Other <sup>1</sup> or Unknown
<b>Flue Gas Recirculation (%)</b>	_____	
<b>Heat Release Rate</b>	Surface (fire tube) (BTU/ft <sup>2</sup> -hr) _____	Volumetric (water tube) (BTU/ft <sup>3</sup> -hr) _____

Signature

*By signing I certify that the boiler model specified meets the applicable emission limits in Regulation 9, Rule 7.*

<sup>1</sup> Attach additional pages as necessary.

## BAY AREA AIR QUALITY MANAGEMENT DISTRICT Small Boiler Certification Program Guidelines

The Source Test Section will evaluate source test reports submitted to the District. Provided that the requirements of Reg. 9-7 are met, that the source test report is complete (see 'A' below) and demonstrates that the device meets the applicable emissions limits, and the criteria listed in 'B' below are met, the Source Test Manager or his/her designee will recommend to Compliance and Enforcement that the application for the boiler certification can be approved.

- A. Each source test report included with the District's *Boiler Certification Application Form*<sup>1</sup> cover sheet for each boiler model to be reviewed must include the following information:
- 1) Test Date
  - 2) Test Company
  - 3) Boiler Manufacturer
  - 4) Boiler Model
  - 5) Heat Rating (in million BTU per hour; MMBTU/hr).
- B. The Source Test Section will review the report and should verify that, at a minimum, the following criteria have been met:
- 1) The report must be complete and include all raw and quality assurance data as required by the prescribed test method. Acceptable test methods are shown in the table on the previous page. Only the current and/or most recent versions of test methods will be deemed acceptable.
  - 2) The report shall include at least one test run at each of the following firing rates; **Low** (10% to 40% of maximum rating); **Medium** (greater than 40% to less than 70% of maximum rating); **High** (70% to 100% of maximum rating). Each test run shall be a minimum of 30 minutes and the minimum interval between tested firing rates shall be 10%.
  - 3) The applicant may request a conditional approval based on submittal of a test report for a single firing rate. The test shall consist of three test runs. Each test run shall be a minimum of 30 minutes, or a combined minimum of 90 minutes for the three runs. The conditional approval shall specify that certification is only valid at the tested firing rate plus or minus 20%. For example, if a boiler is tested at 40% of maximum rating, the certification of that boiler is valid from 20% through 60% of the maximum rating.
  - 4) Zero and span drifts during each test run meet the requirements of the methods.
  - 5) Calibrations are conducted before and after each run with National Institute of Standards and Technology (NIST) or NIST-traceable gases.
- C. The Compliance and Enforcement Division will contact applicants with the certification determination. If the certification request has been approved, the boiler will be added to the District's list of certified boilers.<sup>2</sup>

 Source Test questions should be directed to: Source Test Section - Small Boiler Certifications at (415) 749-4612.

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<sup>1</sup> The Boiler Certification Application form and instructions are located at: [www.baaqmd.gov/boiler-cert](http://www.baaqmd.gov/boiler-cert)

<sup>2</sup> The District's Certified Boiler List is located at: [www.baaqmd.gov/boiler-cert](http://www.baaqmd.gov/boiler-cert)