

APPENDIX A
Witness Testing Documents

**AHRI PROGRAM FOR
PERFORMANCE CERTIFICATION OF COMMERCIAL BOILERS**

Form CBLR-WT1, Application for Witness Testing

We, the undersigned, hereby request AHRI to approve the test facility for the purpose of conducting performance certification tests in accordance with the AHRI Program for Performance Certification of Commercial Boilers. All testing shall be conducted in accordance with the Applicable Rating Standard and witnessed by the Independent Third-Party Laboratory contracted by AHRI.

Company (Participant) Name

Test Facility Address (*state exact address*)

Test Cell Name/Number (*if applicable*)

Submission of the CBLR-WT1 Witness Testing Application Package must be accompanied by the following:

- a. **Form CBLR-WT2**, Equipment Calibration Report
- b. **Schematic Drawing** - A schematic drawing of the area of the test facility in which certification testing shall be performed; and
- c. **Photographs** – Photographs of the test facility in which certification testing shall take place, which shall include sufficient views to show the location and connection of each instrument.
- d. **Special Requirements** – Descriptions of any special requirements (i.e. safety equipment, lab requirements, etc.)

Facility and Equipment Questionnaire

1. What is the operating range of this facility?

(a) Input Capacity, Btu/h

- | | | |
|----------------|---------------|---------------|
| a. Natural Gas | Minimum _____ | Maximum _____ |
| b. Propane Gas | Minimum _____ | Maximum _____ |
| c. Light Oil | Minimum _____ | Maximum _____ |

2. What types of tests can be conducted at this lab? _____

3. Can the lab deliver the necessary water supply to conduct the test? _____

2. How long does it take for you to install a unit for test (fully instrumented)?

	Persons	Hours
Man-Hours	_____	_____

3. How long does it take you to conduct a complete test series, start to finish, including calculations?

	Persons	Hours
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Man-Hours _____

4. How many shifts per day shall you employ for the AHRI witness testing? _____

9. Type of instrument used to determine Higher Heating Value onsite?

(a) Gas Calorimeter _____

(d) Gas Chromatograph _____

(c) Standard Hydrometer _____

Frequency instrument is calibrated? _____

Is the primary standard traceable to NIST? _____

14. Describe data acquisition system and data obtained.

16. Is a regulated voltage supply available for the test unit?

Yes _____ No _____

17. If not "regulated," shall the voltage stay within the allowable tolerance of Commercial Boiler Program – Test Protocol during the testing? Yes _____ No _____

(Describe):

Complied by: _____

Date: _____

Personnel Experience Questionnaire

-CONFIDENTIAL-

The following personnel are directly responsible for conducting the testing that will be witnessed at the Participant's designated test facility in accordance with the AHRI Program for Performance Certification of Residential Boilers:

Primary Contact

Alternate Contact

Name

Name

Title

Title

Area of Responsibility for Certification Testing:

Area of Responsibility for Certification Testing:

In signing this form and submitting all information requested above, we acknowledge that the test facility is in conformance with all of the provisions of the latest edition of the applicable rating standard.

Company

Signature of Certification Program Compliance Officer

Signature of Chief Engineer or Test Facility Director

Printed Name

Printed Name

Title

Title

Date

Date

Final approval of this test facility to conduct witness testing in support of the AHRI Program for Performance Certification of Residential Boilers is contingent upon AHRI's approval of the information provided and satisfactory completion of a facility and equipment inspection. AHRI will notify the Participant, in writing, when final approval of the test facility to conduct witness testing has been granted. Final approval shall be received before any certification tests, including program qualification tests, can be conducted in the test facility.