



A 100% Employee-Owned Company

10901 Pump House Road | Annapolis Junction, MD 20701
2213 Northwood Drive, Unit 6 | Salisbury, MD 21801

**Mechanical Equipment
Sales & Service**

Lochinvar Boiler/Water Heater Training Agenda

Project :		C-W Sales Engineer:	
Specification Section:			
Date:		Address:	
Time:			

- 1) Introduction
- 2) Description of Equipment
 - a) Type of Boiler/Water Heater
 - b) Purpose in system
 - c) Operating Standards and characteristics (Pump Curves, Limiting Conditions)
- 3) Description, function and location of components
 - a) Burners
 - b) Fans
 - c) Heat exchangers
 - d) Controls (adjust set points, programming etc.)
 - e) Venting
 - f) Safeties and Resets (flow, gas, air switches, low water cut off, etc.)
 - g) Gas Valves
- 4) Sequence of Operation
 - a) Call for heat
 - b) Trial for ignition
 - c) Ignition
 - d) Main Flame
 - e) Modulation – if applicable
 - f) Adjusting control set points and parameters
 - g) Shutdown – normal and emergency
 - h) Diagnostics
 - i. Meaning of Warning, trouble and error messages
 - ii. Test and inspection procedures
- 5) Maintenance
 - a) Burner cleaning
 - b) Fan cleaning
 - c) Heat exchanger cleaning
 - d) Pump lubrication – as applicable
 - e) Gas/combustion air/draft setup
 - f) Cleaning
 - i. Approved agents
 - g) Disassembly
 - h) Adjustments
 - i. Noise and vibration adjustment
 - ii. Economy and efficiency adjustments
- 6) Start up, shut down and lock out
- 7) Review of Documentation:
 - a) Emergency Manuals
 - b) Operations Manuals
 - c) Maintenance Manuals
 - d) Warranties
 - e) Project Documents
- 8) Recommended spare parts
- 9) Q&A

Length of Training: 60-90 Minutes



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TRAINING LOG

Lochinvar Boiler & Water Heaters

Customer Attendee(s) Name

Attendee(s) Title

Cummins-Wagner Instructor (Printed Name)

Customer Representative (Printed Name)

Title

Title

Date

Date