



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**

HYDRONIC PUMP TRAINING AGENDA

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

- 1) Introduction
- 2) Description of equipment 5 min
 - a) Type of Pump
 - b) Purpose in system
- 3) Description and function of components 10 min
 - a) Identify motor and operation
 - b) Identify pump and operation
 - c) Identify coupling purpose and adjustment
- 4) Description and purpose of shaft alignment procedure 10 min
 - a) Explanation of alignment methods and applications
 - b) Explanation of problems caused by misalignment
- 5) Description of rotation check and correction procedure 5 min
 - a) Show rotation arrow, describe reversal procedure
 - b) Explanation of symptoms and problems of wrong rotation
- 6) Description of start- up/shutdown procedure 5 min
 - a) Identify suction, discharge, and triple duty valves
 - b) Describe purpose and importance of coupling guard
 - c) Identify electrical safety disconnect
 - d) Identify and describe removal of start-up strainer
- 7) Description and purpose of gauges (as applicable) 5 min
 - a) Explanation of system “head” and flow rates
 - b) Explain calculation of flow using gauges
- 8) Maintenance 5 min
 - a) Lubrication (pump, motor, coupling)
 - b) Schedule
 - c) Schedule
- 9) Q&A 10 min



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TRAINING LOG

HYDRONIC PUMPS

Customer Attendee(s) Name

Attendee(s) Title

Horizontal lines for entering customer attendee names.

Horizontal lines for entering attendee titles.

Cummins-Wagner Instructor (Printed Name)

Customer Representative (Printed Name)

Title

Title

Date

Date