

Plant Performance Learning Services



Workshop Objectives:

- Learn how to properly maintain pump systems, increase Mean Time Between Repairs (MTBR), minimize downtime and, therefore, reduce the total cost of ownership
- Learn to select pumps, understand components and how the system works
- Hands-on pump disassembly, re-assembly and correct operation with actual equipment
- Learn about factors of reliability and how to perform maintenance and troubleshooting procedures

What's Included:

- Expert facilitators with 30+ years' experience
- State-of-the-art training materials, animations and multimedia presentations
- Interactive, hands-on experience with our Pump System Simulator and free standing pump workstations
- Lunch time roundtable discussion with trainers
- Networking opportunities
- 2.2 Continuing Education Units

1/2012 FPSMR_3Days

Pump System Maintenance for Reliability Training – Three Days

Who Should Attend?

This three-day workshop is designed for anyone responsible for maintaining centrifugal pumps and pump systems.

What you will learn:

Participants will learn about factors of reliability and how to perform maintenance and troubleshooting procedures. Topics include the following:

- Pump Fundamentals and Basic Hydraulics Review
- Life Cycle Costs
- System Approach
- Factors of Pump Reliability
- Pump Operation Safety
- Procedures for Pump Operation
- Normal Operation
- Other Modes of Operation
- Coupling Considerations
- Caring for Pump Shaft Seals
- Bearing Design and Application
- Pump Selection Considerations
- Troubleshooting
- Driver Considerations
- Fundamentals of Condition Monitoring and Root Cause Failure Analysis
- Pump Construction Materials
- Baseplate Installation Considerations
- Pump Mounting Considerations
- Pump Repair and Overhaul

Prerequisites:

- Pump Fundamentals
- Basic Hydraulics for Centrifugal Pump Systems

For Information:

- Open training classes, visit www.ittps.com/learning.html or call 315-568-7548 (Note: Open classes include breakfast and lunch. Company group discount of 30% is awarded for 3 or more registrants.)
- Private or tailored offerings, call 800-734-7867
- ITT's Plant Performance Services, visit www.ittps.com

