



Turnaround Training for Process Engineers

Potential PDH: 16

Description:

Upon completion of this course, participants will understand, be able to prepare for, and complete their responsibilities in support of a unit turnaround.

Outline:

1. Introduction: What is a Turnaround?
2. Preparing for a Turnaround:
 - Definition of Work Scope
 - Planning Each Scoped Item
 - Sequencing and Plans for Execution
3. Preparing the Unit for Turnaround
4. Turnaround Risks and Safety; Equipment Inspection
5. Turnaround Roles:
 - Operations
 - Maintenance and Mechanical Work Leads
 - Turnaround Planners and Coordinators
 - Inspection
 - Reliability Group
 - Process Engineering
6. Examples of Equipment Inspection
 - Vessels, Drums, and Separators
 - Heaters and Exchangers
 - Pumps and Compressors
 - Towers (packed and trayed)
 - Reactors (fixed and moving bed)
7. The Importance of Good Turnaround Record-Keeping - and Its Value to Future Turnarounds

Subject Matter Expert (SME):

Teresa Young is a seasoned Senior Process Specialist with over 35 years of experience at Mobil, ExxonMobil, and PBF, specializing in high-margin process design, commissioning, and



operations. She has led major projects such as the restart of a \$100 million delayed coker and a naphtha reformer, providing technical oversight, troubleshooting, and hands-on support during commissioning. At ExxonMobil, she served as an Owner's Representative for large capital projects, optimizing process design, managing startup teams, and mentoring engineers. Additionally, she has extensive experience in operations leadership, overseeing refinery operations, quality control, budgeting, and planning. Ms. Young holds a BS in Chemical Engineering from Mississippi State University.

