



River City Engineering – Start Up Training Overview

Entire Plant Start Up: Training Agenda

Course Total: 8 hours

- 1. Overview** **60 minutes**
 - a. Procedure overview and reasoning
 - b. Safety Considerations with Start Up
 - i. Gas for purging
 - ii. Pressurization
 - iii. Chemicals used for wash
 - iv. Atypical and temporary operating conditions

- 2. Commissioning** **60 minutes**
 - a. Use of commissioning checklists

- 3. Purge** **2 hours**
 - a. Overview of method used for system (three step purge, sweep purge, N₂ Purge, etc.)
 - b. P&ID review
 - i. Source valves
 - ii. Bleed valves
 - iii. System endpoints
 - iv. Pressure monitoring location

- 4. Dryout** **60 minutes**
 - a. Flow path
 - b. Optimal dryout operating parameters
 - c. Duration

- 5. Treating System Wash** **60 minutes**
 - a. Flow path
 - b. Operating parameters
 - c. Duration

- 6. Start Up** **2 hours**
 - a. Hot Oil/Amine/TEG Circulation
 - b. Low flow rate considerations
 - c. JT mode with refrigeration
 - d. Full expander mode
 - e. Troubleshooting