Normal and Abnormal Shutdown Maintenance of Slide Valve and Actuator Systems

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Introduction

- Normal slide valve work on scheduled FCCU shutdowns for maintenance
  a) Always remove “cover flange assembly” from body bonnet flange
  b) Always perform complete re-building of “packing barrel” in cover flange assembly
  c) Pull disc out of valve internals for inspection

- Inspection of valve internal orifice plate assembly

- Valve stem “purging” medium possible problems

- Cause and effect of improper stem purging

- The importance of properly re-building and maintaining the packing barrel assembly
  a) Valve manufacture “packing arrangement” vs field re-building “packing arrangement”
  b) Selection of proper packing type is critical
  c) Installation of “packing arrangement” is critical
  d) Selection of “packing manufacture”, from experience, is critical
Normal conditions found during discovery at turnaround

Orifice Plate with Disc
Cause and Effect

Wet Stem Purge Evidence
Cause and Effect

Wet Stem Purge Evidence
Purged Stuffing Box

Purge-Less Stuffing Box
Questions?