

Red Hill F-24/JP-5
Repacking Lines
(UTF Equalization, (b) (3) (A))

F-24 Repacking Lines – UTF Tank, Pumps (b) (3) (A)

Concept of Operation (Date: TBD)

Operations Summary

- Phase I: F-24 Pipeline Condition Verification (all repairs complete and QA'd)
- Phase II: (b) (3) (A) Pump Verification
- Phase III: F-24 Pipeline Repacking (equalize from UTF Tank (b) (3) (A), then using Pumps (b) (3) (A))
- Phase IV: F-24 Pipeline Equalization (From Tank (b) (3) (A))

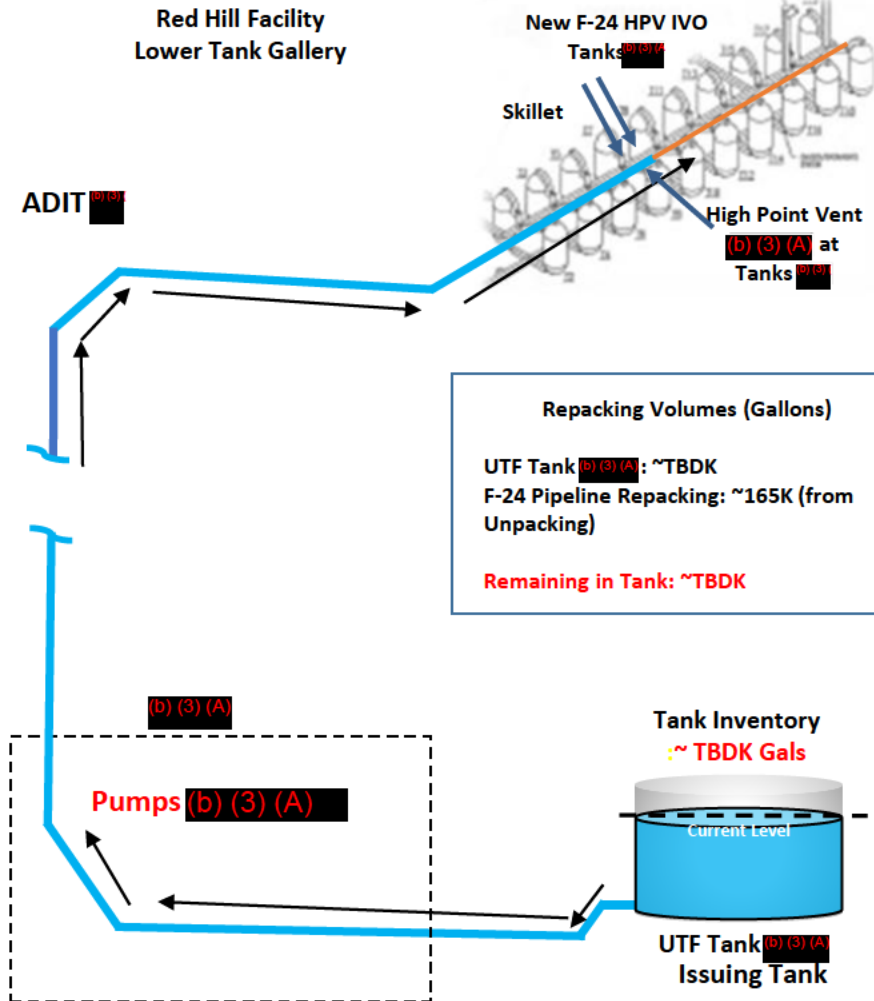
Preparation for Execution

- Location: (b) (3) (A)
- Date: TBD
- F-24 Repacking Amount: ~165K Gals
- Issuing Tank: UTF Tank (b) (3) (A) (F-24)

Execution

- Phase I: F-24 Pipeline Condition Verification
 - Planning – Data Gathering, Condition Verification, QA, Op Order, HAZOP
 - Preparation – New Vent line installed between HPVs at Tank (b) (3) (A), remove LOTO from RH Tank (b) (3) (A) for venting, align blinds
 - Training – To Op Order and Emergency Response
 - Evolution Walkthrough – All Scheduled Watch-Standers
- Phase II: B1554 Pump Verification
 - Maintenance: Pumps have been PM'd and certified “ready to operate”
- Phase III: F-24 Pipeline Repacking
 - Maintenance and Op Check: Confirm status of (b) (3) (A) pumps (b) (3) (A), relevant blinds have been rolled, equalization line at Tank (b) (3) (A)
 - Pipeline Repacking: Align UTF Tank (b) (3) (A) and equalize F-24 Pipeline, then transfer balance of F-24 to F-24 Pipeline, using pump (b) (3) (A), Tank Inventory ~ TBDK Gals
 - Confirm Valve Alignment as identified in OPORD
- Phase IV: F-24 Pipeline Equalization (From Tank (b) (3) (A))
 - Line Pressure Verification: Equalize pipeline to tank head pressure (Tank (b) (3) (A) by opening the new equalization line
 - Valves are aligned in Baseline position for Defueling

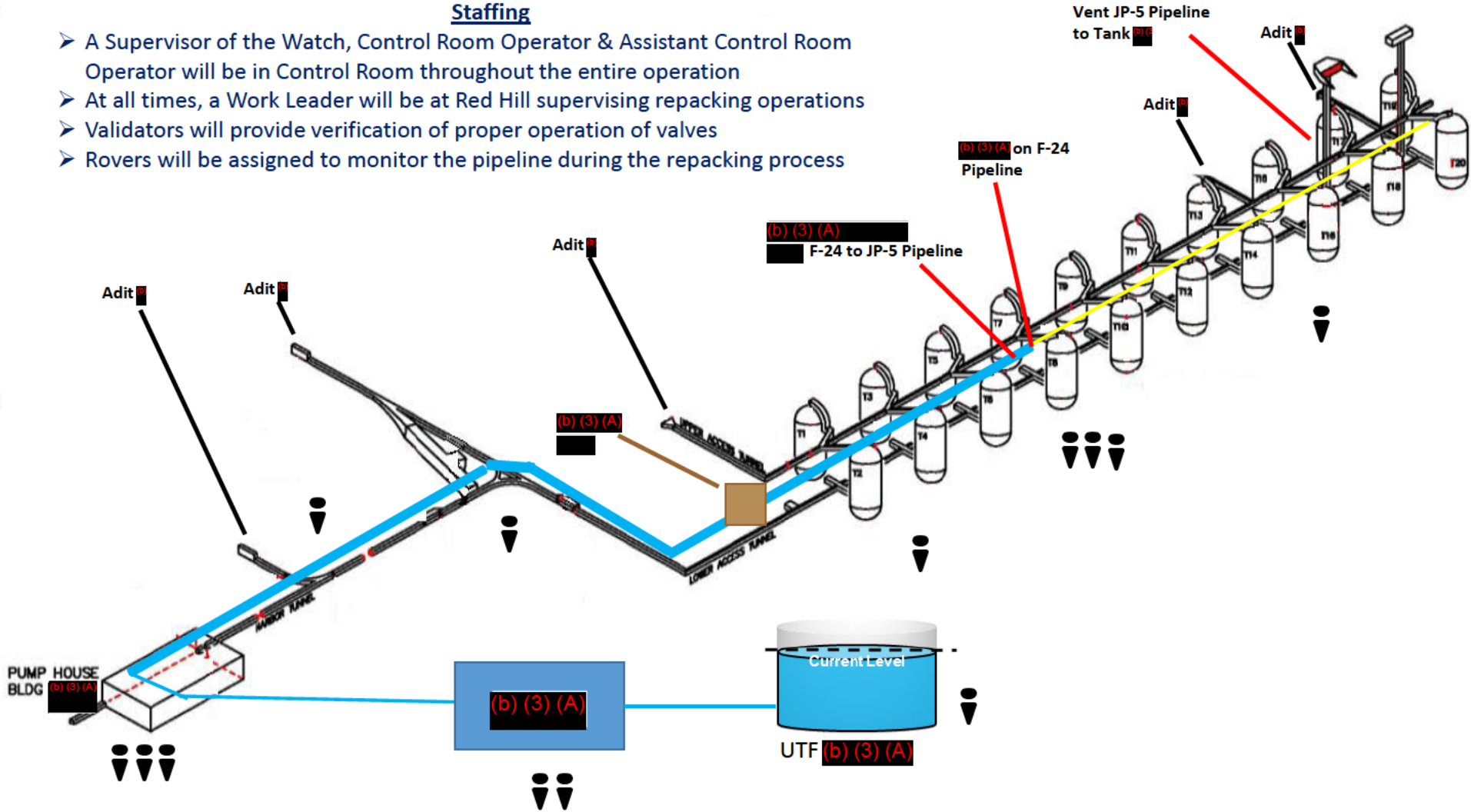
Phase III F-24 Pipeline Repacking



F-24 Pipeline Repacking Flow Path

Staffing

- A Supervisor of the Watch, Control Room Operator & Assistant Control Room Operator will be in Control Room throughout the entire operation
- At all times, a Work Leader will be at Red Hill supervising repacking operations
- Validators will provide verification of proper operation of valves
- Rovers will be assigned to monitor the pipeline during the repacking process



JP-5 Repacking Lines – UTF Tank, Pumps (b) (3) (A)

Concept of Operation (Date:TBD)

Operations Summary

- Phase I: JP-5 Pipeline Condition Verification (all repairs complete and QA'd)
- Phase II: (b) (3) (A) Pump Verification
- Phase III: JP-5 Pipeline Repacking – F-24 (equalize from UTF Tank (b) (3) (A) than using Pumps (b) (3) (A))
- Phase IV: JP-5 Pipeline Equalization (from Tank (b) (3) (A))

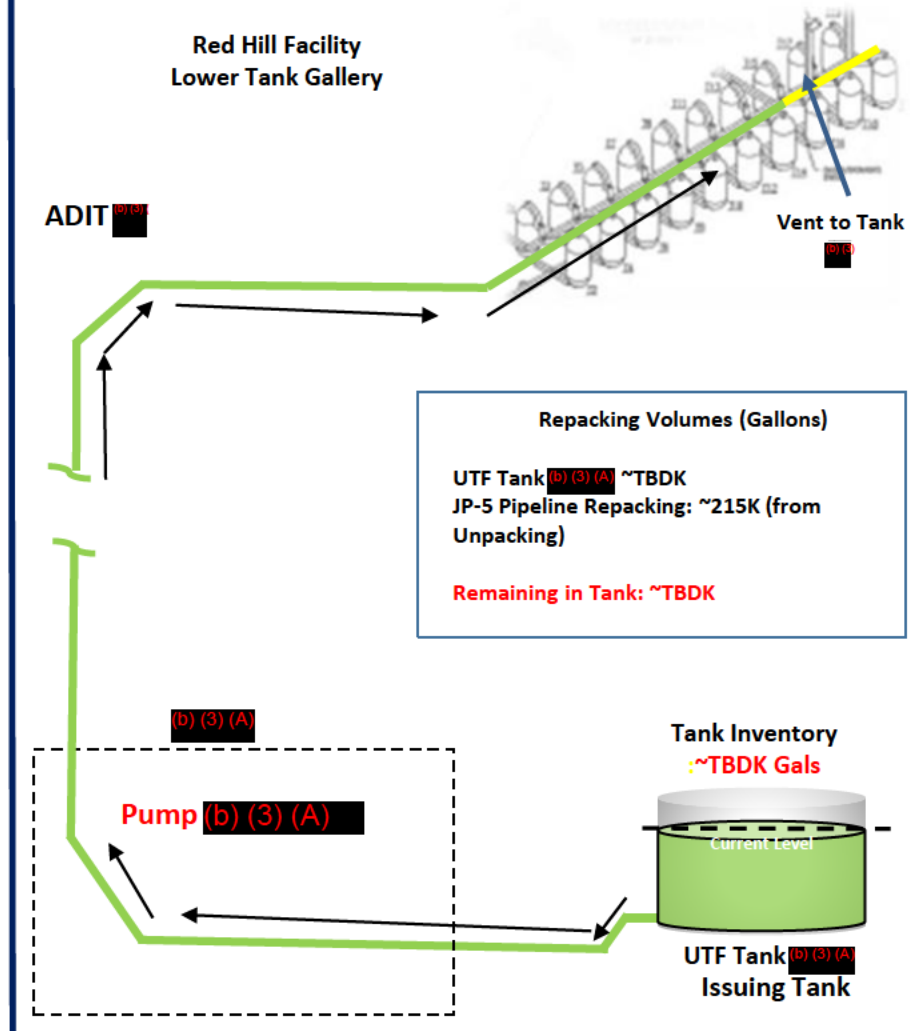
Preparation for Execution

- Location: (b) (3) (A)
- Date: TBD
- JP-5 Repacking Amount: ~215K Gals (F-24)
- Issuing Tanks: UTF Tank (b) (3) (A)

Execution

- Phase I: JP-5 Pipeline Condition Verification
 - Planning – Data Gathering, Condition Verification, QA, Op Order, HAZOP
 - Preparation – Remove LOTO from RH Tank (b) (3) (A) for venting, align blinds
 - Training – To Op Order and Emergency Response
 - Evolution Walkthrough – All Scheduled Watch-Standers
- Phase II: (b) (3) (A) Pump Verification
 - Maintenance: Pumps have been PM'd and certified “ready to operate”
- Phase III: JP-5 Pipeline Repacking (F-24)
 - Maintenance and Op Check: Confirm status of (b) (3) (A) pumps (b) (3) (A) relevant blinds have been rolled, equalization line at Tank (b) (3) (A)
 - Pipeline Repacking: Align UTF Tank (b) (3) (A) and equalize JP-5 Pipeline with F-24, then transfer balance of F-24 to JP-5 Pipeline, using pump (b) (3) (A) Tank Inventory ~ TBDK Gals
- Phase IV: JP-5 Pipeline Equalization (From Tank (b) (3) (A))
 - Line Pressure Verification: Equalize pipeline to tank head pressure (Tank (b) (3) (A)) by opening the new equalization line
 - Valves are aligned in Baseline position for Defueling

Phase III JP-5 Pipeline Repacking



JP-5 Pipeline Repacking Flow Path

Staffing

- A Supervisor of the Watch, Control Room Operator & Assistant Control Room Operator will be in Control Room throughout the entire operation
- At all times, a Work Leader will be at Red Hill supervising repacking operations
- Validators will provide verification of proper operation of valves
- Rovers will be assigned to monitor the pipeline during the repacking process

