

# Red Hill Tank Mains Defuel (2 tankers per week no pumps)

# F-24 Defueling - Tanks (b) (3) (A), Gravity Concept of Operation (Date: TBD)

## Operations Summary

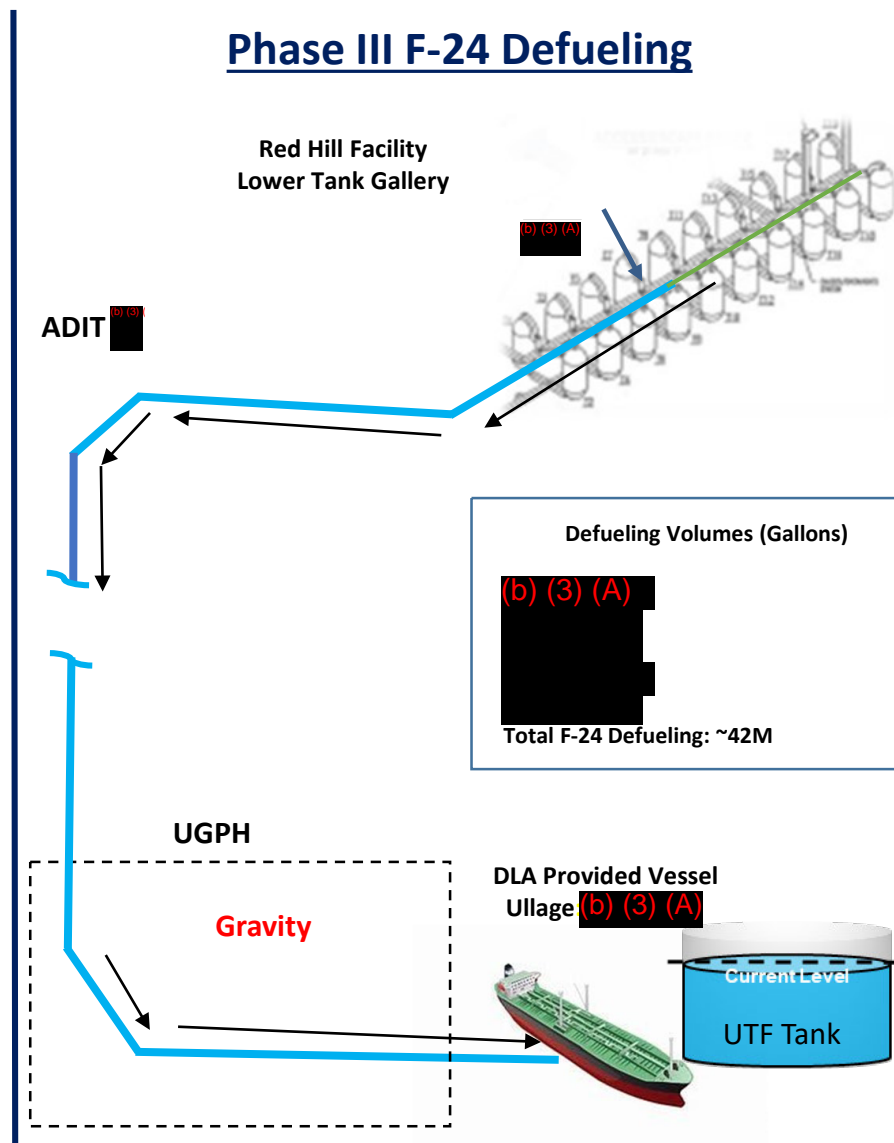
- Phase I: F-24 Pipeline Repack and Equalization Verification
- Phase II: F-24 Defueling Alignments (from RH Tank to DLA Destination TBD)
- Phase III: F-24 Defueling (From Tanks (b) (3) (A) )

## Preparation for Execution

- Location: (b) (3) (A)
- Date: TBD
- F-24 Defueling Amounts: ~42M Gals (see table for specific tank volumes)
- Issuing Tanks: Red Hill Tank (b) (3) (A)

## Execution

- Phase I: F-24 Pipeline Repack and Equalization Verification
  - Planning – Condition Verification, Op Order, HAZOP
  - Preparation – Remove LOTO from RH Tanks (b) (3) (A), align blinds
  - Training – To Op Order and Emergency Response
  - Evolution Walkthrough – All Scheduled Watch-Standers
- Phase II: F-24 Defueling Alignments
  - Tank Defueling: Align specific RH Tank (b) (3) (A) to F-24 Pipeline to DLA Destination TBD, use gravity, vent through aligned tank
  - Confirm Valve Alignment as identified in OPORD
- Phase III: F-24 Defueling (From Tanks (b) (3) (A) )
  - OPORD: Follow OPORD as written, trained and briefed, equalize F-24 Pipeline between tank Defuelings
  - Minimum Tank Level: Do not defuel below 10' level in any tank
  - Close relevant valves once RH Tanks (b) (3) (A) have been Defueled





# JP-5 Defueling - Tanks (b) (3) (A), Gravity Concept of Operation (Date:TBD)

## Operations Summary

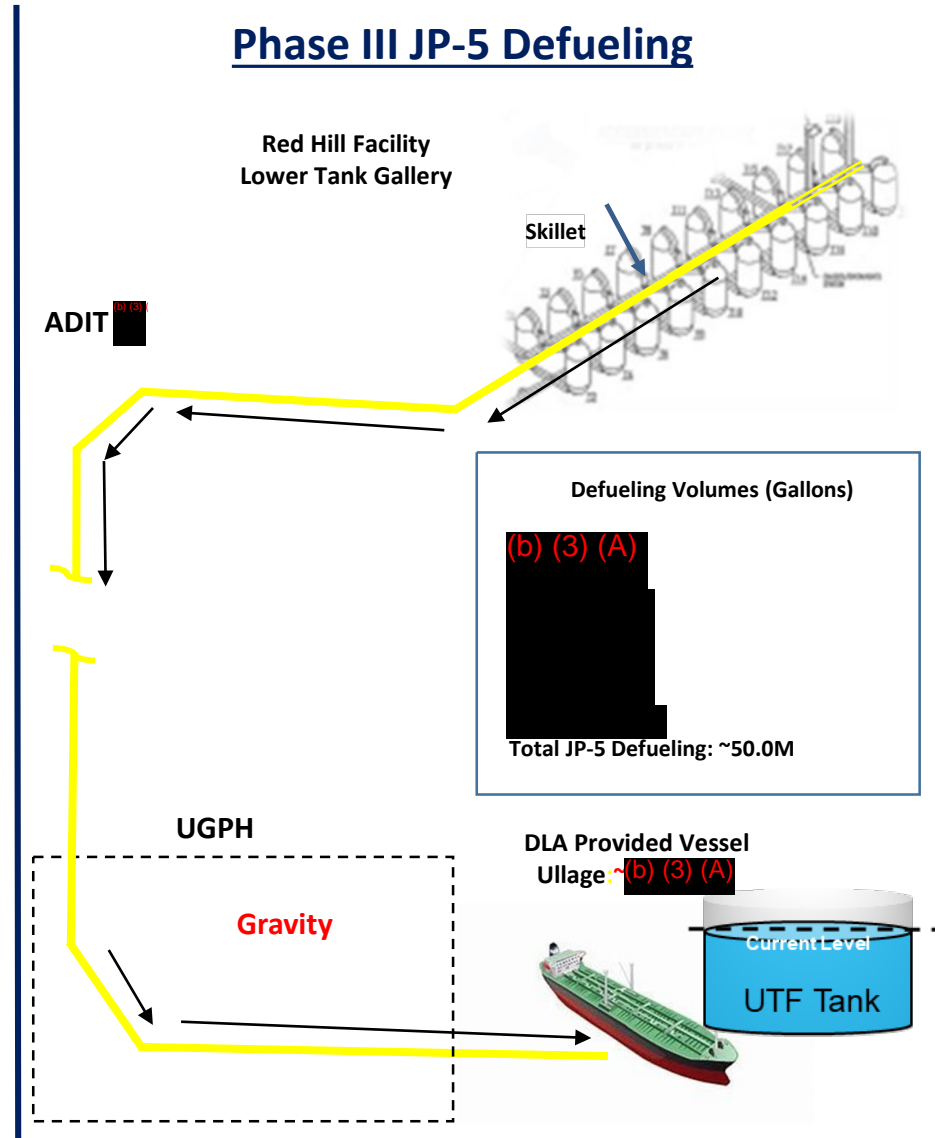
- Phase I: JP-5 Pipeline Repack and Equalization Verification
- Phase II: JP-5 Defueling Alignments (from RH Tank to DLA Destination TBD)
- Phase III: JP-5 Defueling (From Tanks (b) (3) (A))

## Preparation for Execution

- Location: RH JP-5 IVO selected RH Tank (b) (3) (A)
- Date: TBD
- JP-5 Defueling Amounts: ~50.0M Gals (see table for specific tank volumes)
- Issuing Tanks: (b) (3) (A)

## Execution

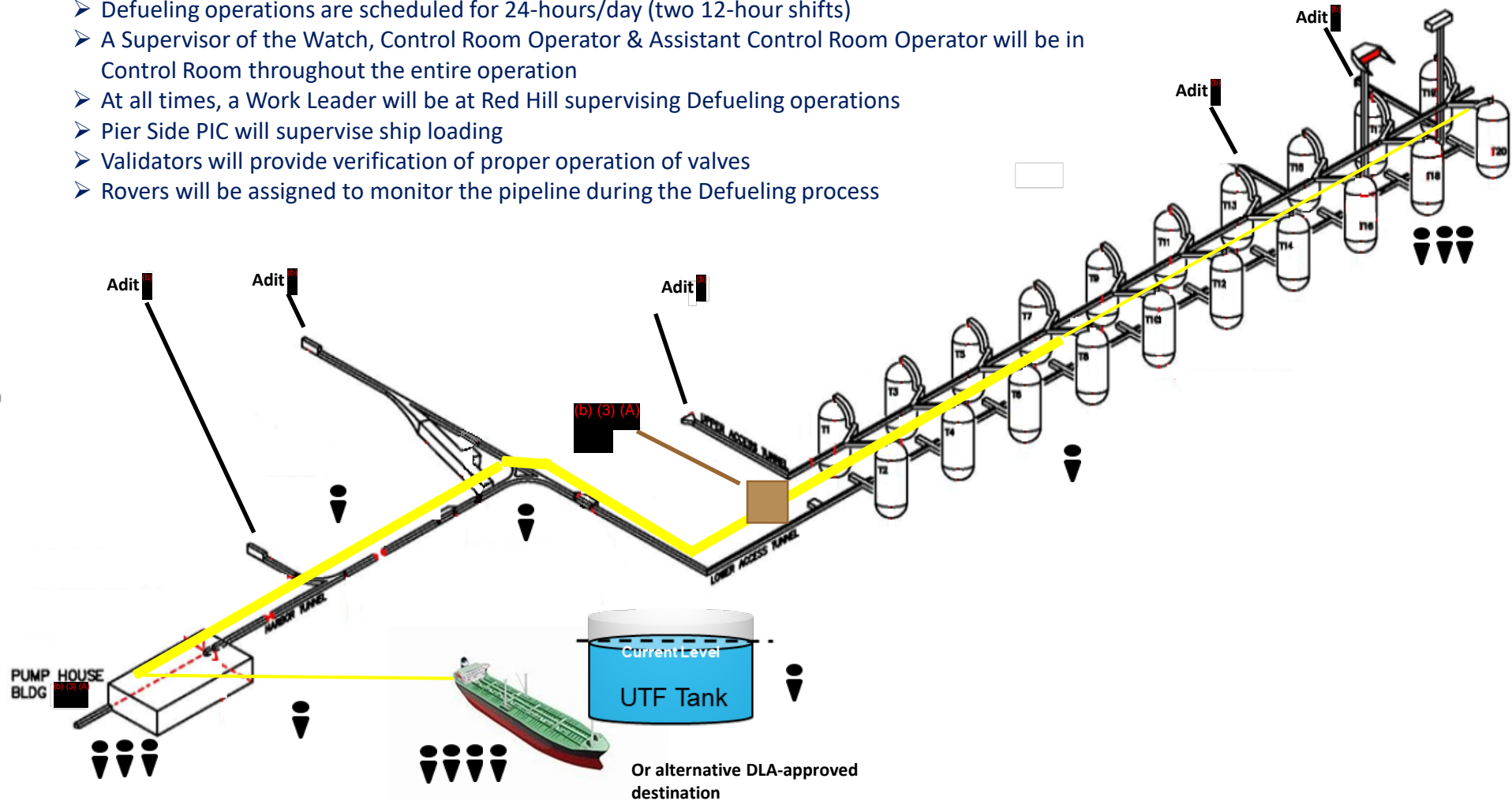
- Phase I: JP-5 Pipeline Repack and Equalization Verification
  - Planning – Condition Verification, Op Order, HAZOP
  - Preparation – Remove LOTO from RH Tanks (b) (3) (A), align blinds
  - Training – To Op Order and Emergency Response
  - Evolution Walkthrough – All Scheduled Watch-Standers
- Phase II: JP-5 Defueling Alignments
  - Tank Defueling: Align specific RH Tank (b) (3) (A) to JP-5 Pipeline to DLA Destination TBD, use gravity, vent through aligned tank
  - Confirm Valve Alignment as identified in OPORD
- Phase III: JP-5 Defueling (From Tank (b) (3) (A))
  - OPORD: Follow OPORD as written, trained and briefed, equalize JP-5 Pipeline between tank Defuelings
  - Minimum Tank Level: Do not defuel below 10' level in any tank
  - Close relevant valves once RH Tanks (b) (3) (A) have been Defueled



# JP-5 Tanks Defueling Flow Path

## Staffing

- Defueling operations are scheduled for 24-hours/day (two 12-hour shifts)
- 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 Defueling operations
- Pier Side PIC will supervise ship loading
- Validators will provide verification of proper operation of valves
- Rovers will be assigned to monitor the pipeline during the Defueling process



# F-76 Defueling - Tanks (b) (3) (A), Gravity Concept of Operation (Date:TBD)

## Operations Summary

- Phase I: JP-5 Pipeline Repack and Equalization Verification
- Phase II: F-76 Defueling Alignments (from RH Tank to DLA Destination TBD)
- Phase III: F-76 Defueling (From Tanks (b) (3) (A))

## Preparation for Execution

- Location: RH F-76 IVO selected RH Tank (b) (3) (A)
- Date: TBD
- F-76 Defueling Amounts: ~11.7M Gals (see table for specific tank volumes)
- Issuing Tanks: Red Hill Tank (b) (3) (A)

## Execution

- Phase I: JP-5 Pipeline Repack and Equalization Verification
  - Planning – Condition Verification, Op Order, HAZOP
  - Preparation – Remove LOTO from RH Tanks (b) (3) (A) align blinds
  - Training – To Op Order and Emergency Response
  - Evolution Walkthrough – All Scheduled Watch-Standers
- Phase II: F-76 Defueling Alignments
  - Tank Defueling: Align specific RH Tank (b) (3) (A) to JP-5 Pipeline to DLA Destination TBD, use gravity, vent through aligned tank
  - Confirm Valve Alignment as identified in OPORD
- Phase III: F-76 Defueling (From Tank (b) (3) (A))
  - OPORD: Follow OPORD as written, trained and briefed, equalize JP-5 Pipeline between tank Defuelings
  - Minimum Tank Level: Do not defuel below 10' level in any tank
  - Close relevant valves once RH Tanks (b) (3) (A) have been Defueled

