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The Unpacking Plan includes a Concept of Operations (CONOPs), Maintenance Orders, Operational Orders (OPORDs), Valve Alignment Baseline Operation Orders (Baseline OPORDs), and supporting documents for each fuel product type. Below is a list of the documents in the sequence provided:

- 01_Unpack CONOP – Rev 13 – 31 August 2022 - Revised
- 02_F24 Unpack Maintenance Order #UM01 - No changes
- 03_F24 Unpack ECP - Revised
- 04_F24 HPV Elevation Calculation - No changes
- 05_F24 Unpack Gravity HCK OPORD #U001 - Revised
- 06_F24 Unpack Gravity Baseline PH OPORDS #U001A (Rev 1) - Revised
- 07_F24 Unpack Gravity Baseline HCK OPORD #U001B (Rev 1) - Revised
- 08_F24 Unpack Gravity HCK Diagram - No changes
- 09_F24 Unpack Suction Low Point Drain Transfer OPORD #U002 - Revised
- 10_F24 Unpack Suction Low Point Drain Transfer Baseline OPORD #U002A (Rev 1) - Revised
- 11_F24 Unpack Suction Low Point Drain Transfer Diagram - Revised
- 12_JP5 Unpack Maintenance Order #UM02 - No changes
- 13_JP5 Unpack ECP - Revised
- 14_JP5 Unpack Gravity YON (b) (3) (B) OPORD #U003 - Revised
- 15_JP5 Unpack Gravity YON (b) (3) (B) Baseline OPORD #U003A (Rev 1) - Revised
- 16_JP5 Unpack Gravity YON (b) (3) (B) Thermal Baseline OPORD #U003B (Rev 1) - Revised
- 17_JP5 Unpack Gravity YON Diagram - No changes
- 18_JP5 Unpack Suction Low Point Drain Transfer OPORD #U004 -
- 19_JP5 Unpack Suction Low Point Drain Transfer Baseline OPORD #U004A (Rev 1) - Revised
- 20_JP5 Unpack Suction Low Point Drain Transfer Diagram - Revised
- 21_F76 Unpack Maintenance Order #UM03 - No changes
- 22_F76 Unpack ECP - Revised
- 23_F76 Unpack Gravity YON (b) (3) (B) OPORD #U005 - Revised
- 24_F76 Unpack Gravity YON (b) (3) (B) Baseline OPORD #U005A (Rev 1) - Revised
- 25_F76 Unpack Gravity YON (b) (3) (B) Thermal Baseline OPORD #U005B (Rev 1) - Revised
- 26_F76 Unpack Gravity YON (b) (3) (B) Diagram - Revised
- 27_F76 Unpack Gravity YON (b) (3) (B) OPORD #U006 - Revised
- 28_F76 Unpack Gravity YON (b) (3) (B) Baseline OPORD #U006A - Revised
- 29_F76 Unpack Gravity YON (b) (3) (B) Thermal Baseline OPORD #U006B (Rev 1) - Revised
- 30_F76 Unpack Gravity YON (b) (3) (B) Diagram - Revised
- 31_F76 Unpack Suction Low Point Drain Transfer OPORD #U007 - Revised
- 32_F76 Unpack Suction Low Point Drain Transfer Baseline OPORD #U007A (Rev 1) - Revised
- 33_F76 Unpack Suction Low Point Drain Transfer Diagram - Revised



Red Hill Pipeline Unpacking

Overall Classification of this Briefing is



Overview of Pipeline Unpacking

- **Three product lines to unpack for repair work**

- F-24 (162,069 Gallons)
- JP-5 (216,480 Gallons)
- F-76 (691,128 Gallons)

- **Four phases per product line/type**

- Preparatory

- Phase I: Pre-Operation
 - Phase II: Valve Maintenance/Op Check/Pressure Equalization

- Fuel Movement

- Phase III: Gravity Drain Down
 - Phase IV: Low Point Drain Transfer

- **All Phase III Gravity Drain Down Fuel Movements will be conducted first**

- Day 1: F-24
 - Day 2: JP-5
 - Day 3: F-76
 - Day 4: F-76

- **Then all Phase IV Low Point Drain Transfers will be conducted to conclude unpacking**

- Day 5: F-24 and JP-5
 - Day 6: F-76

F-24 Pipeline Unpacking Red Hill Concept of Operation (Date: TBD)

Operations Summary

Preparatory

- Phase I: Pre-Operation
- Phase II: Valve Maintenance/Op Check/Pressure Equalization

Fuel Movement (Total ~162,069 Gallons)

- Phase III: Gravity Drain Down (~144,362 Gallons)
- Phase IV: Low Point Drain Transfer (~17,707 Gallons)

Preparatory

- Phase I: Pre-Operation
 - Planning: Data Gathering, Maint. Order, Op Order, HAZOP Analysis
 - Configuring: LOTO RH Tanks **(b) (3) (E)** Valves – Listed in Baseline
 - Training: To Maint. Order, Op Order, and Emergency Response
 - Evolution Walkthrough: All Scheduled Watch-Standers
- Phase II: Valve Maintenance/Op Check/Pressure Equalization
 - Maintenance and Op Check: Grease and cycle (4) valves
 - Line Pressure Verification: Equalize pipeline to atmospheric pressure
 - Confirm Valve Alignment as identified in OPORD

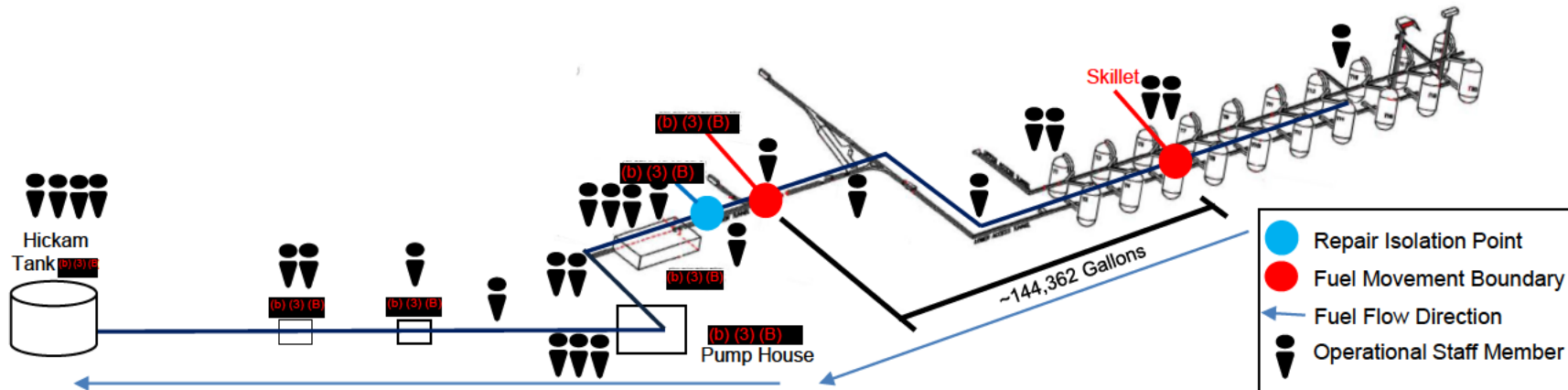
Fuel Movement

- Phase III: Gravity Drain Down (~144,362 Gallons)
 - Evolution: Gravity Drain F-24 line empty from Tank **(b) (3) (E)** Skillet to **(b) (3) (E)**
 - Transferring Location: To Hickam Tank **(b) (3) (E)**
 - Tank **(b) (3) (E)** Ullage: 300,000 Gallons
 - Line Pressure Verification: Pressure Equalization during Phase II
 - Pressure confirmed day of via Op Order
 - Open HPV on Tank **(b) (3) (E)** Lateral to maintain ambient pressure
 - After 10K unpacked, remove flange on TK **(b) (3) (E)** Lateral
 - Gravity Flow Fuel: Max. 100,000 gal/hr flow rate ~2 hrs.
 - Transfer Assist Pump: **(b) (3) (E)** located in **(b) (3) (E)**
 - Return Valves to Baseline: In sequence from Hickam to **(b) (3) (E)**
 - Return HPV Valves to Baseline

Phase III Operational Staffing

- Supervisor of the Watch (1)
- Control Room Operator (1)
- Asst. Control Room Operator (1)
- Hickam Pump House Operator (1)
- Work Supervisor (2)
- Work Lead (2)
- Independent Validators (5)
- Rovers (13)

Phase III: Gravity Drain Down



F-24 Pipeline Unpacking Red Hill Concept of Operation (Date: TBD)

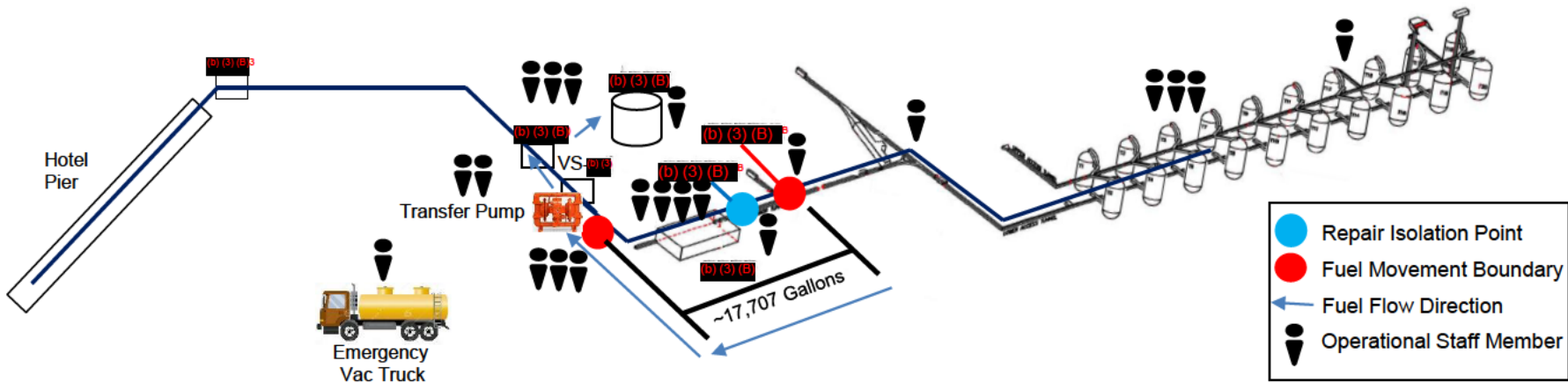
Fuel Movement

- Phase IV: Low Point Drain Transfer (~17,707 Gallons)
 - Evolution: Pump F-24 line empty from (b) (3) (B)
 - Transferring Location:
 - 1) From LPD at (b) (3) (B) to Transfer Pump
 - 2) From Transfer Pump to (b) (3) (B)
 - 3) From (b) (3) (B) to Tank (b) (3) (B)
 - Tank (b) (3) (B) Ullage: 60,000 Gallons
 - Line Pressure Verification: Pressure Equalization during Phase II and III
 - Pressure confirmed day of via Op Order
 - Open HPV on Tank (b) (3) (B) Lateral to maintain ambient pressure
 - Transfer Pump: Maximum 15,000 gal/hr flow rate
 - Transfer Time: ½ day
 - Return Valves to Baseline: In sequence from (b) (3) (B) to (b) (3) (B)
 - Return HPVs Valves to Baseline

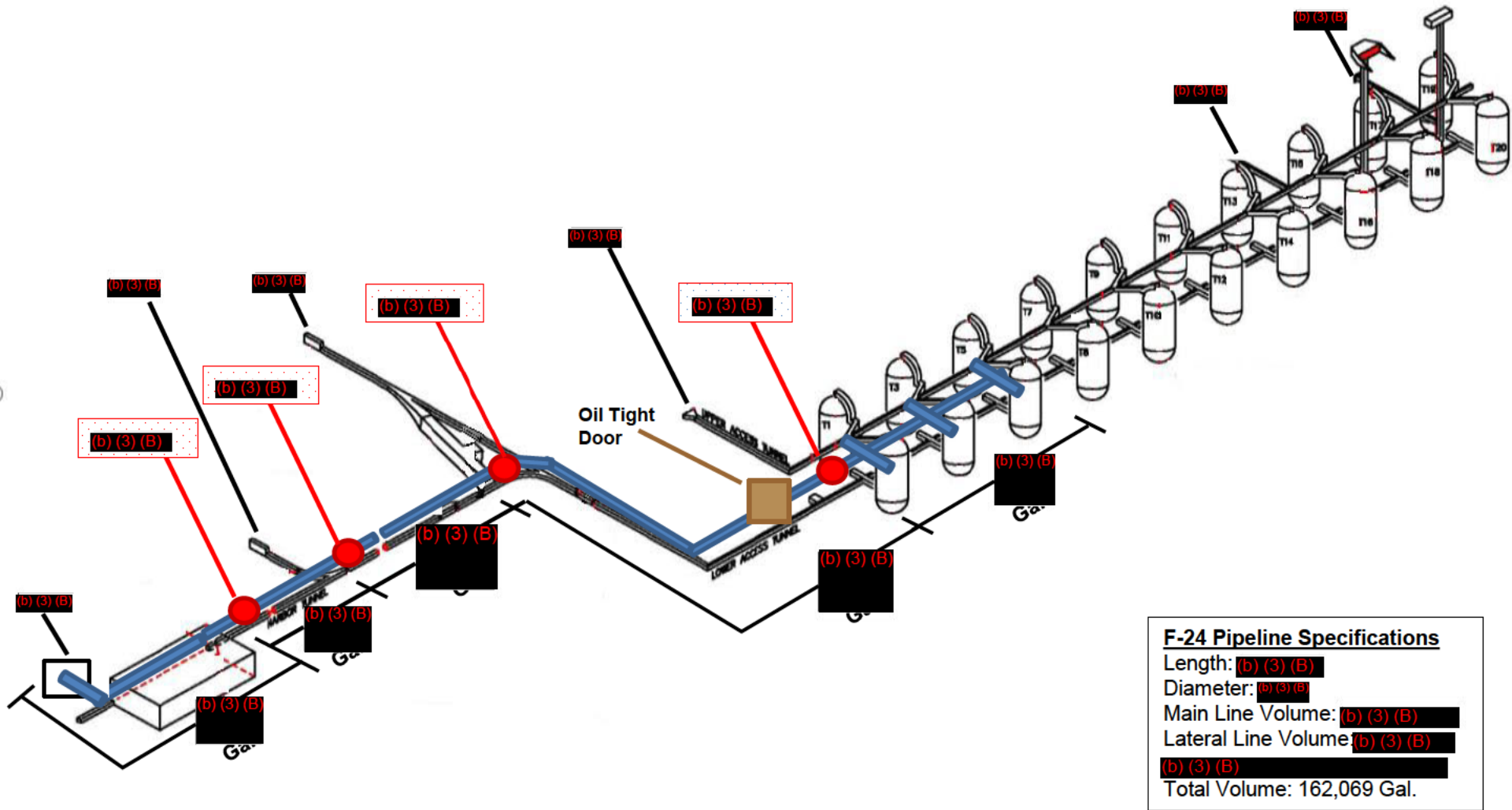
Phase IV Operational Staffing

- | | |
|-----------------------------------|------------------------------|
| ➤ Supervisor of the Watch (1) | ➤ Pump Operator (1) |
| ➤ Control Room Operator (1) | ➤ Asst. Pump Operator (1) |
| ➤ Asst. Control Room Operator (1) | ➤ Rovers (9) |
| ➤ Work Supervisor (1) | ➤ Independent Validators (3) |
| ➤ Work Leader (2) | ➤ Vacuum Truck Operator (1) |

Phase IV: Low Point Drain Transfer



F-24 Pipeline and Sectional Valve Volumes and Locations



JP-5 Pipeline Unpacking Red Hill Concept of Operation (Date: TBD)

Operations Summary

Preparatory

- Phase I: Pre-Operation
- Phase II: Valve Maintenance/Op Check/Pressure Equalization

Fuel Movement (Total ~216,480 Gallons)

- Phase III: Gravity Drain Down (~194,156 Gallons)
- Phase IV: Low Point Drain Transfer (~22,324 Gallons)

Preparatory

- Phase I: Pre-Operation
 - Planning: Data Gathering, Maint. Order, OPORD, HAZOP Analysis
 - Configuring: LOTO RH Tanks (b) (3) (E) Valves – Listed in Baseline
 - Training: To Maint. Order, OPORD, and Emergency Response
 - Evolution Walkthrough: All Scheduled Watch-Standers
- Phase II: Valve Maintenance/Op Check/Pressure Equalization
 - Maintenance and Op Check: Grease and cycle (5) valves
 - Line Pressure Verification: Equalize pipeline to atmospheric pressure by opening HPV at Tank (b) (3) (E) skillet
 - Confirm Valve Alignment as identified in OPORD

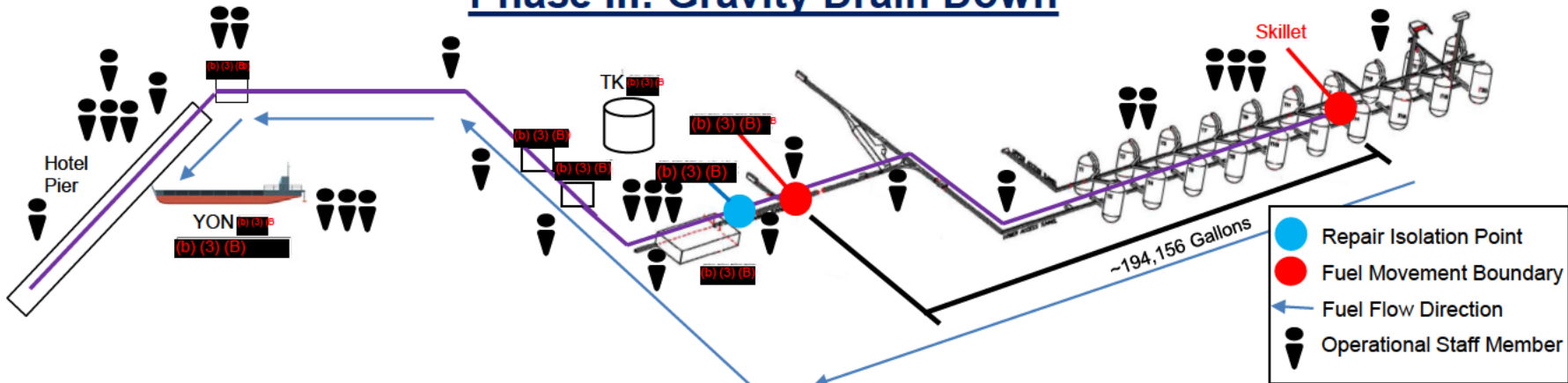
Fuel Movement

- Phase III: Gravity Drain Down (~194,156 Gallons)
 - Evolution: Gravity Drain JP-5 line empty from Tank (b) (3) (E) Skillet to (b) (3) (E)
 - Transferring Location: To YON (b) (3) (E) at Hotel Pier
 - YON (b) (3) (E) Ullage: 250,000 Gallons
 - Line Pressure Verification: Pressure Equalization during Phase II
 - Pressure confirmed day of via OPORD
 - Open HPV at Tank (b) (3) (E) Skillet to maintain ambient pressure
 - Gravity Flow Fuel: Maximum 100,000 gal/hr flow rate ~3 hrs
 - Return Valves to Baseline: In sequence from Hotel Pier to (b) (3) (E)
 - Return HPV Valves to Baseline

Phase III Operational Staffing

- | | |
|-----------------------------------|------------------------------|
| ➤ Supervisor of the Watch (1) | ➤ YON PIC (1) |
| ➤ Control Room Operator (1) | ➤ Asst. YON PIC (1) |
| ➤ Asst. Control Room Operator (1) | ➤ YON Asst. (1) |
| ➤ Work Supervisor (2) | ➤ Vac Truck Operator (1) |
| ➤ Work Lead (1) | ➤ Independent Validators (2) |
| ➤ Pier PIC (1) | ➤ Rovers (14) |
| ➤ Asst. Pier PIC (1) | |

Phase III: Gravity Drain Down



JP-5 Pipeline Unpacking Red Hill Concept of Operation (Date: TBD)

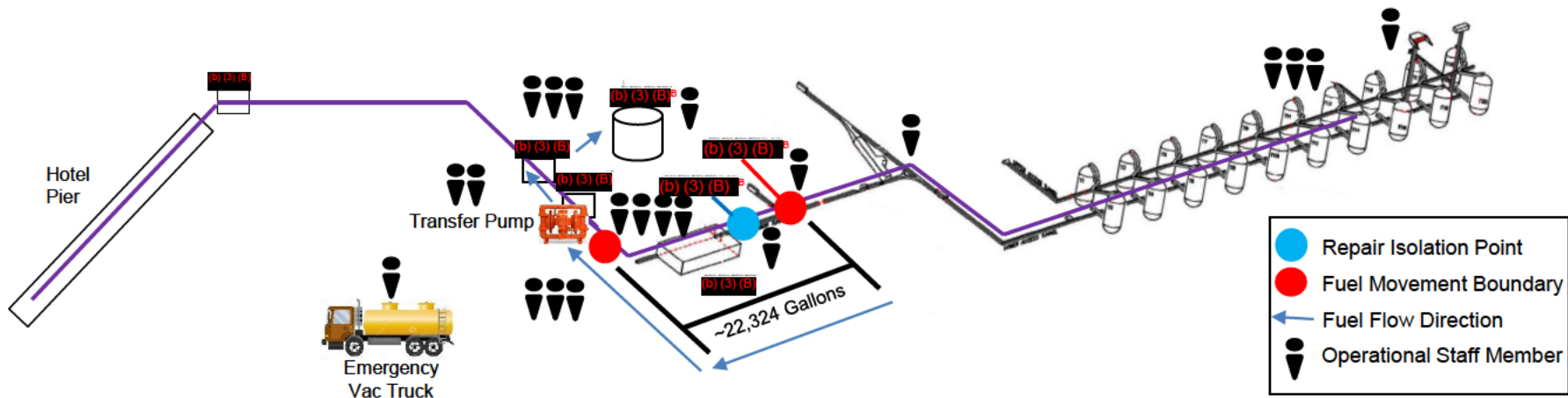
Fuel Movement

- Phase IV: Low Point Drain Transfer (~22,324 Gallons)
 - Evolution: Pump JP-5 line empty from (b) (3) (B) to (b) (3) (B)
 - Transferring Location:
 - 1) From LPD at (b) (3) (B) to Transfer Pump
 - 2) From Transfer Pump to (b) (3) (B)
 - 3) From (b) (3) (B) to Tank (b) (3) (B)
 - Tank (b) (3) (B) Ullage: 60,000 Gallons
 - Line Pressure Verification: Pressure Equalization during Phase II and III
 - Pressure confirmed day of via OPORD
 - Open HPV at Tank (b) (3) (B) Skillet to maintain ambient pressure
 - Transfer Pump: Maximum 15,000 gal/hr flow rate
 - Transfer Time: ½ day
 - Return Valves to Baseline: In sequence from Tank (b) (3) (B) to (b) (3) (B)
 - Return HPVs Valves to Baseline

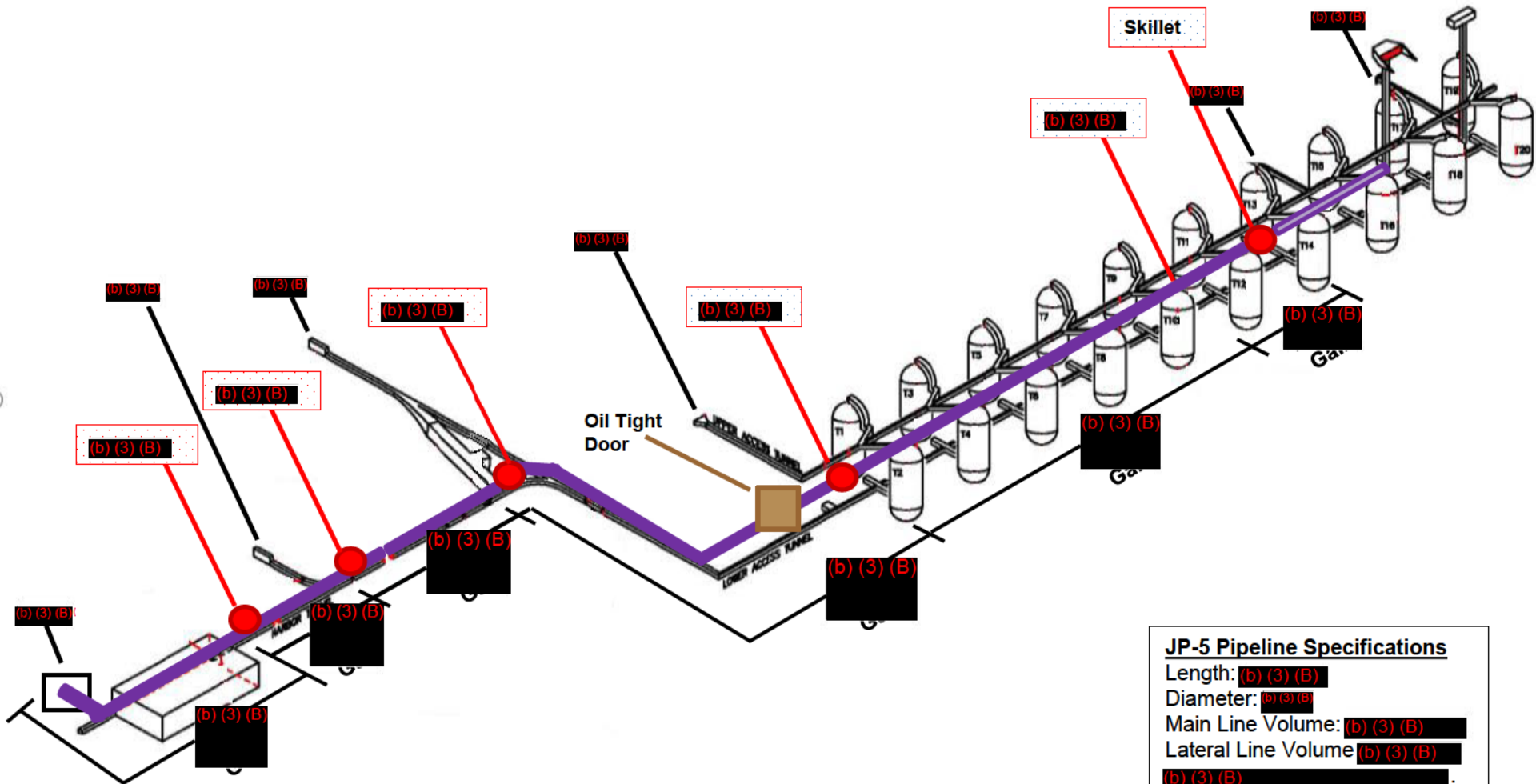
Phase IV Operational Staffing

- | | |
|-----------------------------------|------------------------------|
| ➤ Supervisor of the Watch (1) | ➤ Pump Operator (1) |
| ➤ Control Room Operator (1) | ➤ Asst. Pump Operator (1) |
| ➤ Asst. Control Room Operator (1) | ➤ Rovers (9) |
| ➤ Work Supervisor (1) | ➤ Independent Validators (3) |
| ➤ Work Leader (2) | ➤ Vacuum Truck Operator (1) |

Phase IV: Low Point Drain Transfer



JP-5 Pipeline and Sectional Valve Volumes and Locations



JP-5 Pipeline Specifications	
Length:	(b) (3) (B)
Diameter:	(b) (3) (B)
Main Line Volume:	(b) (3) (B)
Lateral Line Volume:	(b) (3) (B)
(b) (3) (B)	(b) (3) (B)
Total Volume:	216,480 Gal.

F-76 Pipeline Unpacking Red Hill Concept of Operation (Date: TBD)

Operations Summary

Preparatory

- Phase I: Pre-Operation
- Phase II: Valve Maintenance/Op Check/Pressure Equalization

Fuel Movement (Total ~691,128 Gallons)

- Phase III: Gravity Drain Down (~622,979 Gallons)
- Phase IV: Low Point Drain Transfer (~68,149 Gallons)

Preparatory

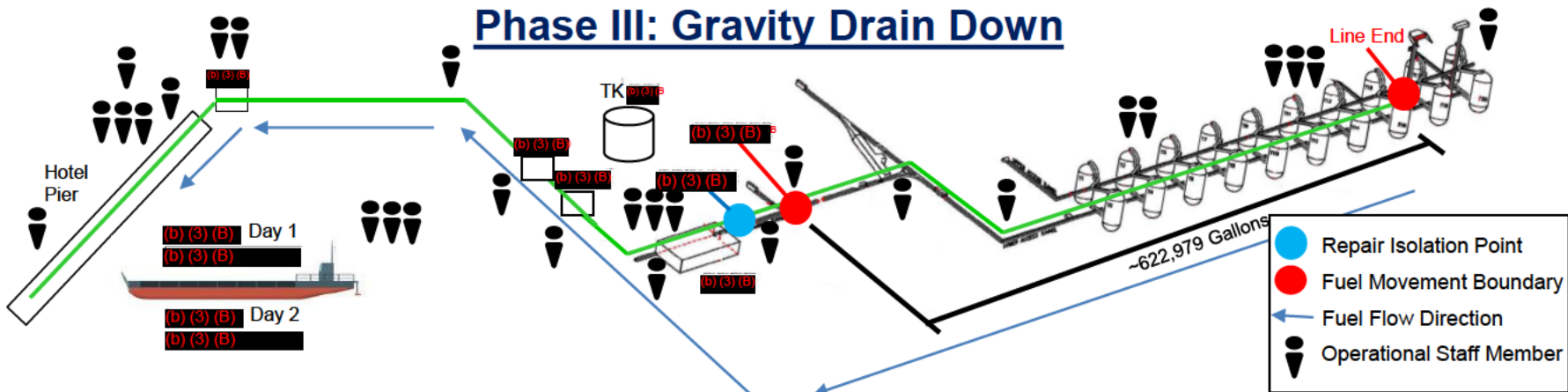
- Phase I: Pre-Operation
 - Planning: Data Gathering, Maint. Order, OPORD, HAZOP Analysis
 - Configuring: LOTO RH Tanks (b) (3) (B) Valves – Listed in Baseline
 - Training: To Maint. Order, OPORD, and Emergency Response
 - Evolution Walkthrough: All Scheduled Watch-Standers
- Phase II: Valve Maintenance/Op Check/Pressure Equalization
 - Maintenance and Op Check: Grease and cycle valves
 - Line Pressure Verification: Equalize pipeline to atmospheric pressure by opening HPV at Line End
 - Confirm Valve Alignment as identified in OPORD

Fuel Movement

- Phase III: Gravity Drain Down (~622,979 Gallons)
 - Evolution: Gravity Drain F-76 line empty from Line End to (b) (3) (B)
 - Transferring YON Day 1: To YON (b) (3) (B) at Hotel Pier (~250,000 Gallons)
 - Transferring YON Day 2: To YON (b) (3) (B) at Hotel Pier (~372,979 Gallons)
 - YON (b) (3) (B) Ullage: 500,000 Gallons
 - Line Pressure Verification: Pressure Equalization during Phase II
 - Pressure confirmed day of via OPORD
 - Open HPV at Line End to maintain ambient pressure
 - Gravity Flow Fuel: Maximum 100,000 gal/hr flow rate ~2 days
 - Return Valves to Baseline: In sequence from Hotel Pier to (b) (3) (B)
 - Return HPV Valves to Baseline

Phase III Operational Staffing

- | | |
|-----------------------------------|------------------------------|
| ➤ Supervisor of the Watch (1) | ➤ YON PIC (1) |
| ➤ Control Room Operator (1) | ➤ Asst. YON PIC (1) |
| ➤ Asst. Control Room Operator (1) | ➤ YON Asst. (1) |
| ➤ Work Supervisor (2) | ➤ Vac Truck Operator (1) |
| ➤ Work Lead (1) | ➤ Independent Validators (2) |
| ➤ Pier PIC (1) | ➤ Rovers (14) |
| ➤ Asst. Pier PIC (1) | |



F-76 Pipeline Unpacking Red Hill

Concept of Operation (Date: TBD)

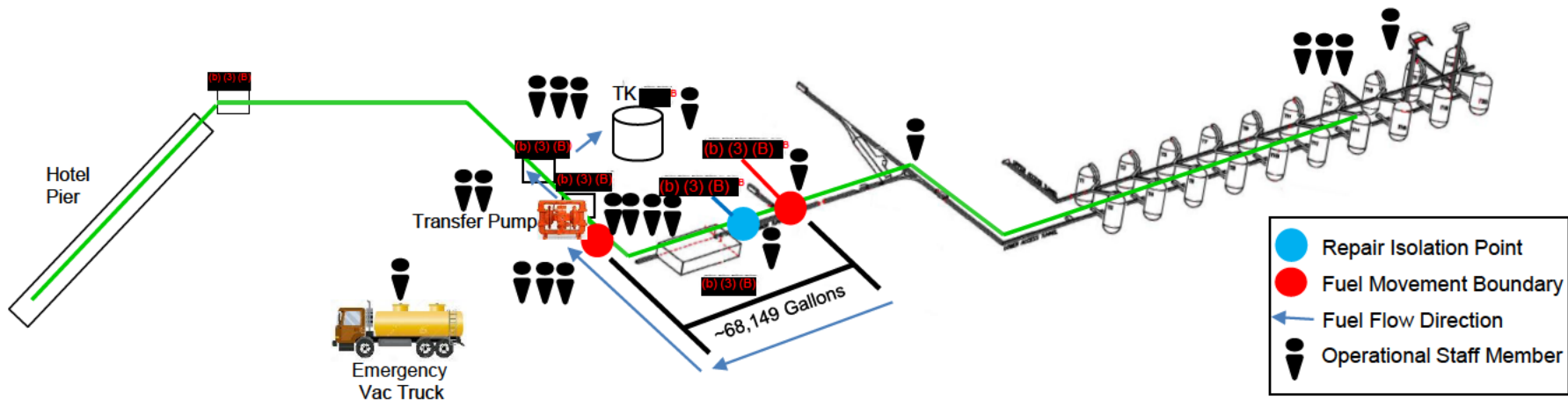
Fuel Movement

- **Phase IV: Low Point Drain Transfer (~68,149 Gallons)**
 - **Evolution:** Gravity Drain F-76 line empty from (b) (3) (B) to (b) (3) (B)
 - **Transferring Location:**
 - 1) From LPD at (b) (3) (B) to Transfer Pump
 - 2) From Transfer Pump to (b) (3) (B)
 - 3) From (b) (3) (B) Tank (b) (3) (B)
 - **Tank (b) (3) (B) Ullage:** 100,000 Gallons
 - **Line Pressure Verification:** Pressure Equalization during Phase II and III
 - Pressure confirmed day of via OPORD
 - Open HPV at Line End to maintain ambient pressure
 - **Transfer Pump:** Maximum 15,000 gal/hr flow rate
 - **Transfer Time:** 1 day
 - **Return Valves to Baseline:** In sequence from Tank (b) (3) (B) to (b) (3) (B)
 - **Return HPVs Valves to Baseline**

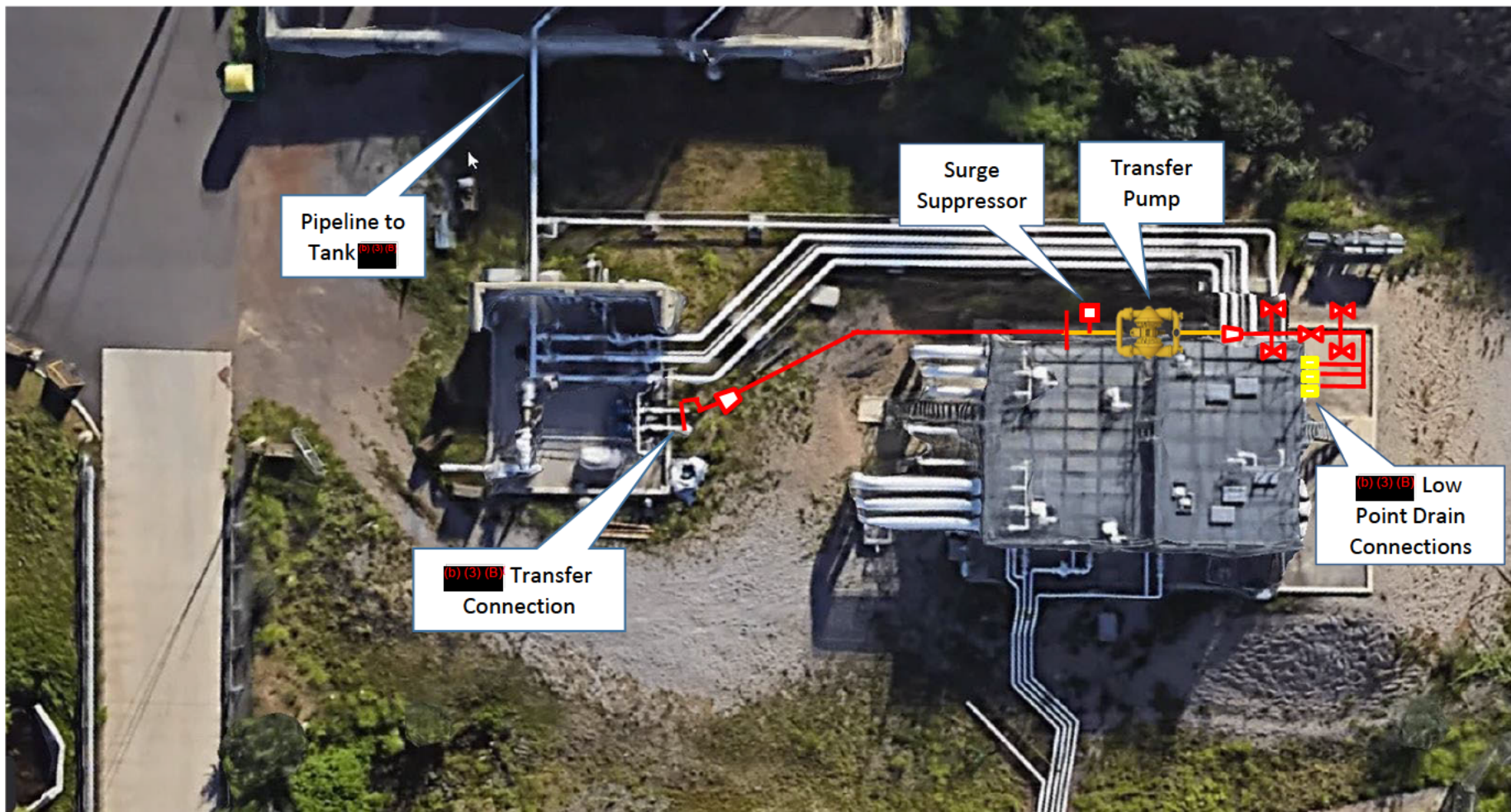
Phase IV Operational Staffing

- | | |
|-----------------------------------|------------------------------|
| ➤ Supervisor of the Watch (1) | ➤ Pump Operator (1) |
| ➤ Control Room Operator (1) | ➤ Asst. Pump Operator (1) |
| ➤ Asst. Control Room Operator (1) | ➤ Rovers (9) |
| ➤ Work Supervisor (1) | ➤ Independent Validators (3) |
| ➤ Work Leader (2) | ➤ Vacuum Truck Operator (1) |

Phase IV: Low Point Drain Transfer



Aerial View of Low Point Drain Transfer Footprint



Authored By: (b) (6)	<u>DFSP Pearl Harbor</u> <u>Maintenance Order</u> Red Hill F-24 Line Equalization and Maintenance Order	Doc #: UM01 Rev No. 1
Doc Custodian: Fuels Department		Maintenance Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 9/26/2022

Reviewed By: (b) (6) – (b) (4) Engineer

Reviewed By: (b) (6) – Operations Supervisor

Reviewed By: (b) (6) – Fuels Operations Director

Approved By: LCDR (b) (6) – Deputy Fuels Director

(b) (6) Digitally signed by
(b) (6)
Date: 2022.09.27 20:04:00 -10'00'

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor</u> <u>Maintenance Order</u> Red Hill F-24 Line Equalization and Maintenance Order	Doc #: UM01 Rev No. 1
Doc Custodian: Fuels Department		Maintenance Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 9/26/2022

Requested Start Date: 10/3/2022 **Estimated Work Time:** 4 hrs **Severity:** Routine
Operations Support Needed: No / **Yes:** Equalize F-24 Line / Return Sectional Valves to Baseline
Operations Scheduling Needed: None / **Impact:** / Blackout: Red Hill to (b) (3) (B) F-24 LOTO

MAINTENANCE ORDER

1. This Maintenance Order ONLY details **Phase 2, Equalization and Valve Maintenance** of the ‘F-24 Unpacking Process’.
2. DFSP JBPHH conducts equalization on the Red Hill F-24 pipeline to support the maintenance greasing, cycling, and PM work on the sectional valves.

WARNING: In the case of an emergency, take the following steps:

1. Take immediate action to shut the nearest valve to prevent the movement of fuel;
2. Notify the CRO;
3. Reference the ICP plan for further instruction.

REFERENCES

1. Operations, Maintenance, Environmental, and Safety Plan (OMES), Dated August 2018
2. UFC 3-460-03, United Facilities Criteria, Operations and Maintenance: Maintenance Petroleum Fuel Facilities
3. NAVSUPINST 5100.12B, Control of Hazardous Energy Procedure (LOTO/ECP)
4. Mechanical Integrity Procedure

ENCLOSURES

- Enclosure (1): ECP
Enclosure (2): WAF: To be completed
Enclosure (3): PM Job Orders: To be completed
Enclosure (4): F24 HPV Elevation Calculation

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor</u> <u>Maintenance Order</u> Red Hill F-24 Line Equalization and Maintenance Order	Doc #: UM01 Rev No. 1
Doc Custodian: Fuels Department		Maintenance Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 9/26/2022

MAINTENANCE ORDER START

SECTION 1 – MUSTER

DATE TIME INITIALS

____ / ____ / ____ 10. **LAP:** Conduct a Muster to ensure all assigned personnel are in attendance for the upcoming brief.

Zone Assignment	Personnel Assignments	Name	Call Sign
	Lead Authorized Person(LAP)		
	Maintenance Controller(MC)		
	Maintenance Personnel(MP)		
	Maintenance Supervisor(MS)		
	Operations Supervisor(OS)		
	Operations Personnel(OP)		
	CRO		
	Assistant CRO		

SECTION 2 – PRE-BRIEF

DATE TIME INITIALS

____ / ____ / ____ 20. **MC:** Confirm submitted ECP form and prepare WAF form.

____ / ____ / ____ 30. **MC:** Review Maintenance and Operations Schedule for any impact to or from this order on overlapping Operations or Maintenance Orders.

____ / ____ / ____ 40. **OS/MS:** Confirm and assign required personnel needed for the Maintenance Order.

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor</u> <u>Maintenance Order</u> Red Hill F-24 Line Equalization and Maintenance Order	Doc #: UM01 Rev No. 1
Doc Custodian: Fuels Department		Maintenance Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 9/26/2022

SECTION 3 – WATCH TEAM BRIEF

DATE TIME INITIALS

- ____/____/____ 50. **LAP:** Lead the brief in the Maintenance Control Room to include:
- ECP review
 - WAF review
 - Maintenance Order
 - Operations Involvement
- ____/____/____ 60. **MC:** Administrate Documents, Provide Locks, and Post WAF.
- ____/____/____ 70. **MP:** Confirm and Sign ECP and WAF.
- ____/____/____ 80. **OS/MS:** Confirm personnel assignments, scheduling, and operations requirements.
- ____/____/____ 90. **CRO:** Confirm readings and information accuracy:
- Flow Path – is accurate and no *oos* notes in AFHE
 - MOV Isolation – MOVs indicated in ECP not part of separate LOTO, and actuation will not interfere with simultaneous operations
 - AFHE Involvement – Confirm AFHE ability to support order
 - Approximate duration – Confirm scheduling and control of simultaneous operations will not overburden Control Room

SECTION 4 – PRE-CHECK

DATE TIME INITIALS

- ____/____/____ 100. **LAP:** Walk and view piping and isolation points, confirming ECP.
- ____/____/____ 110. **MC:** Walk and view piping and isolation points, confirming ECP.

Attach & Review ECP and ECP drawings to this order.

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor</u> <u>Maintenance Order</u> Red Hill F-24 Line Equalization and Maintenance Order	Doc #: UM01 Rev No. 1
Doc Custodian: Fuels Department		Maintenance Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 9/26/2022

SECTION 5 – ISOLATING AND LOTO

DATE TIME INITIALS

- ____/____/____ 120. **LAP:** Verify ECP Valve Configuration and Hang Equipment Locks & Tags.
- ____/____/____ 130. **LAP/MP:** Install Locking Devices and Tags per ECP.
- ____/____/____ 140. **LAP:** Review Locks, Tags, and Isolation Devices.
- ____/____/____ 150. **LAP:** Sign and Post WAF and ECP package at job site.
- ____/____/____ 160. **OP:** Vent F-24 Line:
- Install Compound Pressure Gauge assembly at (b) (3) (B)
 - Open (b) (3) (B), keeping the Pressure Gauge assembly valve closed. Should see pressure decrease here slightly
 - Verify Gauge is reading _____ psig
 - Very Slowly Open Pressure Gauge assembly valve – NOTE: May hear air suck into pipe
 - Wait for pressure to equalize
- ____/____/____ 170. **OP:** Close (b) (3) (B)

SECTION 6 – UNDERGOING MAINTENANCE

DATE TIME INITIALS

- ____/____/____ 180. **MP:** Complete assigned PM and Job Orders.

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Authored By: (b) (6)	<u>DFSP Pearl Harbor</u> <u>Maintenance Order</u> Red Hill F-24 Line Equalization and Maintenance Order	Doc #: UM01 Rev No. 1
Doc Custodian: Fuels Department		Maintenance Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 9/26/2022

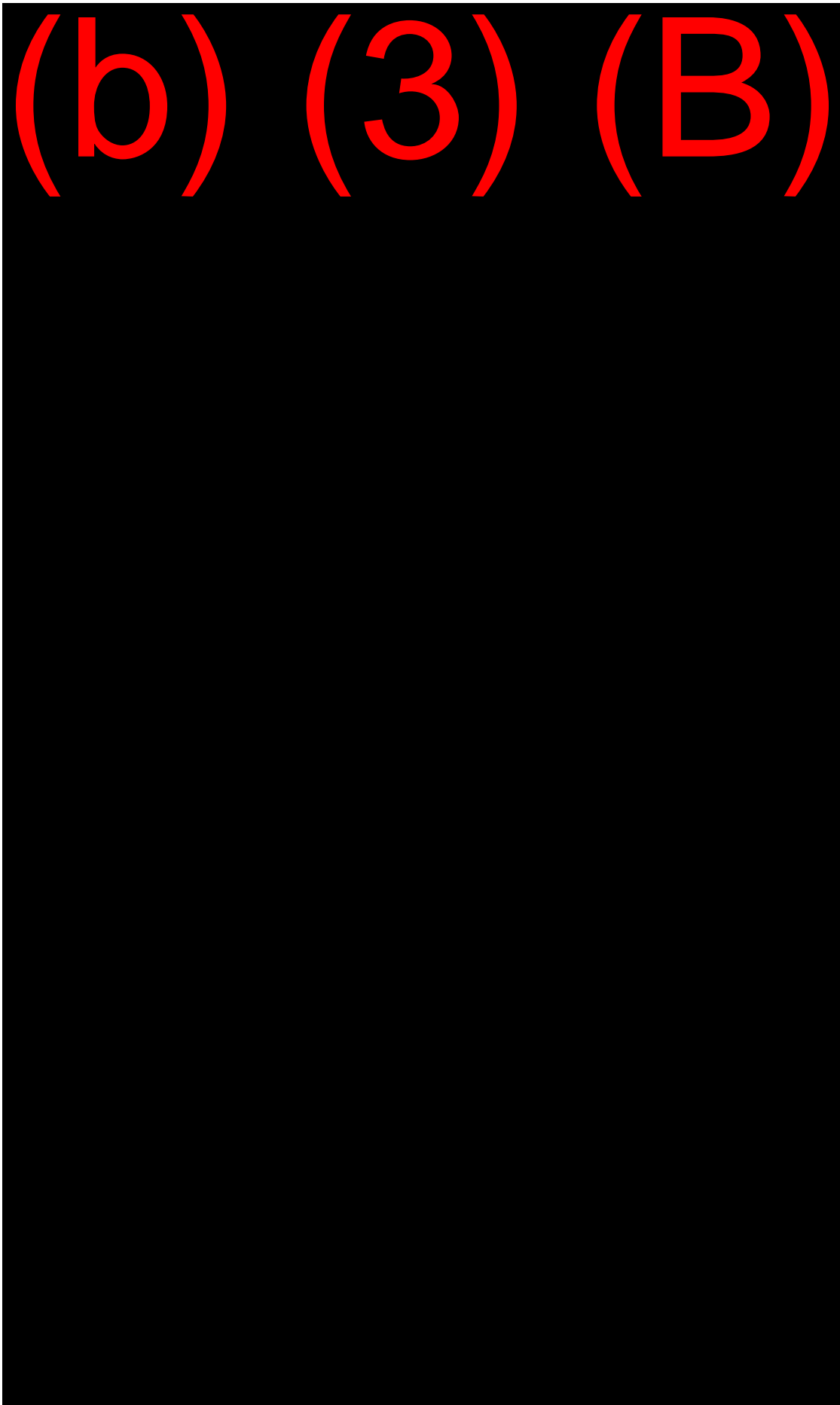
REVISION HISTORY

Revision Number	Description of Change	Technical Basis	Requested By	Approved By	Revision Date	Effective Date

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ENERGY CONTROL PROCEDURE (ECP) FORM

Energy Control Procedure No. <u>DDF24</u> Lockbox No. <u>3</u>						Page <u>1</u> of <u>1</u>		
						Date: _____		
Location and WAF Number			Red Hill		Job Lock Key Custodian (Maintenance Controller) (b) (6)			
Equipment ID/ Description			F24 Header and Laterals		Change	From	To	Date/Time
Job Description			Lo/To (flowpath only) for F24 Header Draining		Change	From	To	Date/Time
Lead Authorized Employee			(b) (6)					
Authorized Employee must notify all Affected Personnel of equipment/ vessel isolation. Document isolation steps below and perform LOCK, TAG, and TRY.								
LOTO Isolation Date	Valve Number	Lock and/or tag Number and Blind Number	Isolation Position (Open or Closed)	LOTO Installed By	Lock Tag Try (Y/N)	LOTO Removal Date	LOTO Removed By	Comments
9/15/22	(b) (3) (B)	F24-B1	Closed	RTB	Y			
9/16/22		F24-B2	Closed	RTB	Y			
9/13/22		F24-1	Closed	RTB	Y			
9/13/22		F24-2	Closed	RTB	Y			
9/13/22		F24-3	Closed	RTB	Y			
9/13/22		F24-4	Closed	RTB	Y			
9/13/22		F24-5	Closed	RTB	Y			
9/13/22		F24-6	Closed	RTB	Y			
9/13/22		F24-7	Closed	RTB	Y			
9/13/22		F24-8	Closed	RTB	Y			
9/13/22		F24-9	Closed	RTB	Y			
Prehung		F24-10	Closed					Fire Valve (Lock after unpacking)
Prehung		F24-11	Closed					Lock after unpacking
By printing my name in the box below, I signify that all stored energy is dissipated. All isolation points are in the proper position and my personal lock has been attached to either an individual lockout tagout device or group lockbox.								
Print Authorized Employee Name and Company					Write on the back if necessary			
1					4			
2					5			
3					6			



(b) (3) (B)



F24 HPV Elevation Calculation

8/5/2022

Problem: Determine if HPV on the (b) (3) (E) lateral line at Tank (b) (3) (E) is above the expected fuel level at the F24 line skillet blind at Tanks 7/8?

Reference Point: Top Dead Center (TDC) of the F24 line below the (b) (3) (E) lateral line at Tanks (b) (3) (E).

Solution: Determine height of HPV on the (b) (3) (E) lateral line at Tank (b) (3) (E) above the Reference Point.
Estimate height of fuel level at the F24 line skillet blind at Tanks (b) (3) (E).
Compare the two heights to ensure HPV is above estimated fuel level.
Validate results using lazer level and tape measure.

Step 1. Determine height of HPV on the (b) (3) (E) lateral line at Tank (b) (3) (E) above the Reference Point.

Using 25' tape measure, the top of the HPV is approximately (b) (3) (E) above the (b) (3) (E) lateral line at Tank (b) (3) (E).
The diameter of the (b) (3) (E) lateral line at Tank (b) (3) (E) is (b) (3) (E).
Using 25' tape measure, the distance from the bottom of the (b) (3) (E) lateral line to the Reference Point is approximately (b) (3) (E).

Height (ft) of the HPV on the (b) (3) (E) lateral line at Tank (b) (3) (E) above the Reference Point:

Step 2. Estimate height of fuel level at the F24 line skillet blind at Tanks (b) (3) (E).

Using the same reference point (TDC of the F24 line below the (b) (3) (E) lateral line at Tanks (b) (3) (E)).
The slope of the F24 line throughout the Red Hill Tank Gallery is 1.7 % (see below)

Recorded elevation at Tanks (b) (3) (E) (b) (3) (E) feet above mean sea level
Recorded elevation at Tanks (b) (3) (E) (b) (3) (E) feet above mean sea level
Distance between Tanks (b) (3) (E) and (b) (3) (E) (b) (3) (E) feet ((b) (3) (E))

Average slope of the F24 line:

Distance (feet) between Reference Point and F24 line skillet blind at Tanks (b) (3) (E):

Height (feet) of expected fuel level at the F24 line skillet blind at Tanks (b) (3) (E):

Step 3. Compare the two heights to ensure HPV is above estimated fuel level.

Step 4. Validate results using lazer level and tape measure.

A lazer level was attached to a step ladder and energized creating two horizontal beams throughout the tunnel.

Using 25' tape measure, the distance (ft) from the top of the HPV down to the lazer beam was measured:

Using 25' tape measure, the distance (ft) from the bottom of the F24 line skillet blind down to the lazer beam was measured:

The diameter of the F24 line is (b) (3) (B), so the distance from the top of the F24 line to the laser beam is:

Height (feet) of expected fuel level at the F24 line skillet blind at Tanks (b) (3) (B):



Notes: Although calculation and measurement may show that the HPV is below the expected fuel level at the F24 line skillet blind, the F24 line is currently OPEN to the UGPH and pressure indication shows the line is currently under vacuum. A vacuum condition at the F24 line skillet blind would mean the level of the fuel at that point is less than full, maybe significantly less. It is recommended to use the HPV to vent the line, however preparations should be made to prevent any spillage at the HPV from reaching the environment or impacting personnel.

Source of Errors:

Lazer level was reportedly accurate to (b) (3) (B) however it was readable to the full (b) (3) (B).
Meaurements taken by tape measure from the ground are likely to be +/- 1/4".
Recorded elevations were assumed to be accurate and not checked.

Authored By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-24 Unpacking to (b) (3) (B) with (b) (3) (B)	Doc #: U001 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

Reviewed By: (b) (6) – (b) (4) Engineer

Reviewed By: (b) (6) – Operations Supervisor

Reviewed By: (b) (6) – Fuels Operations Director

Approved By: LCDR (b) (6) – Deputy Fuels Director

(b) (6) Digitally signed by
(b) (6)
 Date: 2022.09.27 20:10:32
 -10'00'

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-24 Unpacking to (b) (3) (B) with (b) (3) (B)	Doc #: U001 Rev No. 2
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EVOLUTION START DATE: _____

CONTROL ROOM INITIALS (MASTER COPY): _____

FIELD COPY INITIALS: _____

EVOLUTION ORDER

1. This Operations Order ONLY details **Phase 3, Gravity Drain**, of the ‘F-24 Unpacking Process’.
2. DFSP JBPHH conducts unpacking operations from the Red Hill F-24 Pipeline to (b) (3) (B) to vacate F-24 pipeline of ~144,362 gallons.
3. (b) (3) (B) in (b) (3) (B) will be used to drain down.

Issue Source	Receipt Tank	Volume(Gal)	Deputy Director of Fuels Initial
RH F-24 Pipeline	(b) (3) (B)		

WARNING: In the case of an emergency, take the following steps:

1. Take immediate action to shut the nearest valve to prevent the movement of fuel;
2. Notify the CRO;
3. Reference the ICP plan for further instruction.

REFERENCES

1. Operations, Maintenance, Environmental, and Safety Plan (OMES), Dated August 2018
2. MIL – STD 3004-1: Department of Defense Standard Practice Quality Assurance for Bulk Fuels, Lubricants and Related Products
3. Integrated Contingency Plan (ICP), Date August 2018

ENCLOSURES

Enclosure (1): Flow Diagram

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Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		RH F-24 Unpacking to (b) (3) (B) with (b) (3) (B)

OPERATIONAL ORDER START

CAUTION: If a deviation or modification is needed in this order, the CRO must obtain proper approval for the change following the Change Request Form at the rear of this document.

NOTE: A valve baseline must be conducted prior to the execution of this Operations Order.

SECTION 1 – MUSTER

DATE TIME INITIALS

____ / ____ / ____ 10. **SoW:** Conduct a Muster to ensure all assigned personnel are in attendance for the brief.

Zone Assignment	Personnel Assignments	Name	Call Sign
Control Room	SoW		
Control Room	PRL CRO		
Control Room	PRL Assistant CRO		
HCK Pumphouse	HCK Pumphouse Operator		
(b) (3) (B) PH	Work Lead Pearl		
HCK Pumphouse	Work Supervisor Hickam		
TK (b) (3) (B) Lateral	Work Supervisor Red Hill		
TK (b) (3) (B) HPV	Work Lead Read Hill		
Zone 1	Rover #1 Lower Tank Gallery		
Zone 2	Rover #2 RH TK (b) (3) (B) HPV		
Zone 3	Rover #3 RH (b) (3) (B) /TK (b) (3) (B)		
Zone 4	Rover #4 (b) (3) (B)		
Zone 5	Rover #5 (b) (3) (B)		
Zone 6	Rover #6 (b) (3) (B) (b) (3) (B)		
Zone 7	Rover #7 (b) (3) (B)		
Zone 8	Rover #8 (b) (3) (B)		
Zone 9	Rover #9 (b) (3) (B) PH		
Zone 10	Rover #10 (b) (3) (B) Pipeline		
Zone 11	Rover #11 (b) (3) (B)		
Zone 12	Rover #12 (b) (3) (B)		
Zone 13	Hickam Rover (All Areas)		
TK (b) (3) (B) HPV/TK (b) (3) (B)	RH Independent Validator		
(b) (3) (B)	Pearl Independent Validator		
(b) (3) (B)	Pearl Independent Validator		
(b) (3) (B)	Pearl Independent Validator		
HCK Pumphouse	Hickam Independent Validator		

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-24 Unpacking to (b) (3) (B) with (b) (3) (B)	Doc #: U001 Rev No. 2
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Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 2 – PRE-BRIEF

DATE TIME INITIALS

____ / ____ / ____ 20. **SoW:** Confirm the following procedures are complete IOT conduct Phase 3: F-24 Pipeline Drain Down:

- Phase 2: Maintenance Order/Pressure Equalization has been completed and operating conditions are acceptable to proceed.
- Baseline Operations Orders is completed and validated accurate.Doc#U001A/B

____ / ____ / ____ 30. **WS:** Assign required personnel needed for this Operations Order.

____ / ____ / ____ 40. **CRO:** Verify following procedures are complete:

- Valve baseline matches current AFHE configuration
- SDS and ICP on-hand and updated
- Ensure ullage in receiving tank (b) (3) (B) is greater than **178,276 gallons** for transfer. (110% total)

NOTE: If there is a discrepancy from the AFHE to the last manual gauge that is +/- 3/16", inform SoW before proceeding, Hickam Rover shall manually top gauge tank prior to conducting transfer operation.

Receiving Tank	Start Level (Ft/In)	Start Ullage (Gal)	CRO Initials	Assistant CRO Initials	Time
(b) (3) (B)					

HCK Tank	High Op Limit Level (Ft/In)	High Op Limit Level (Gal)
(b) (3) (B)	(b) (3) (B)	(b) (3) (B)

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-24 Unpacking to (b) (3) (B) with (b) (3) (B)	Doc #: U001 Rev No. 2
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Date Approved: 09/26/2022		Effective Date: 09/26/2022

____ / ____ / ____ 50. **PRL/RH WL:** Have the following required paperwork on-hand:

- Operation Order
- C700 Operations Notification Flow Chart
- (b) (3) (B) meter calibration paperwork – up to date

____ / ____ / ____ 60. **CRO:** Prepare/provide the following required paperwork:

- Tank Inventory Control Daily Levels
- Running Gauge Record
- Transfer Record
- Verify (b) (3) (B) meter is operational and connected in AFHE.
- Verify the (b) (3) (B) current pressure rating.

PIT #	PIT Reading (PSI)	Time
(b) (3) (B)		

CAUTION: Follow all Safety and Environmental protection. Pipeline Pressure: Less than (b) (3) (B) psig in the (b) (3) (B)(b) (3) (B), corresponds to vacuum forming in the Red Hill Tank Gallery Pipeline. PIT pressures will be documented and reported to the Supervisor of the Watch

CAUTION: Follow all Safety and Environmental protection. Pipeline Pressure: Less than (b) (3) (B) psig in the (b) (3) (B)(b) (3) (B), corresponds to dangerous vapor bubble formed in the Red Hill Tank Gallery Pipeline. PIT pressures will be documented and reported to the Supervisor of the Watch

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Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 3 – WATCH TEAM BRIEF

DATE TIME INITIALS

____ / ____ / ____ 70. **SoW:** Lead the brief in the 1757 Meeting Room to include:

- Operational Procedures/Priorities
- Operational Expectations
- Integrated Contingency Plan

____ / ____ / ____ 80. **SoW:** Step through operations order and address any questions.

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH F-24 Unpacking to (b) (3) (B) with (b) (3) (B)	Doc #: U001 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 4 - VALVE ALIGNMENT

DATE TIME INITIALS

____ / ____ / ____ 90. **CRO:** Prior to **OPEN/CLOSE** any valves ensure the following procedures have been completed:

- Notify Station "C" by contacting (b) (6) and providing the following information:
 - Pump HP
 - Approximate duration: All Day
- Ensure AFHE System is set for "**Issue**" Evolution.

____ / ____ / ____ 100. **All Assigned Personnel:** Report to their designated zones and conduct radio communications check with **CRO**.

Zone Assignment	Personnel Assignments	Call Sign	Report Time
Control Room	SoW		
Control Room	PRL CRO		
Control Room	PRL Assistant CRO		
HCK Pumphouse	HCK Pumphouse Operator		
(b) (3) (B) PH	Work Lead Pearl		
HCK Pumphouse	Work Supervisor Hickam		
TK (b) (3) (B) Lateral	Work Supervisor Red Hill		
TK (b) (3) (B) HPV	Work Lead Read Hill		
Zone 1	Rover #1 Lower Tank Gallery		
Zone 2	Rover #2 RH TK (b) (3) (B) HPV		
Zone 3	Rover #3 RH (b) (3) (B) TK (b) (3) (B)		
Zone 4	Rover #4 (b) (3) (B)		
Zone 5	Rover #5 (b) (3) (B)		
Zone 6	Rover #6 (b) (3) (B) (b) (3) (B)		
Zone 7	Rover #7 (b) (3) (B)		
Zone 8	Rover #8 (b) (3) (B)		
Zone 9	Rover #9 (b) (3) (B) PH		
Zone 10	Rover #10 (b) (3) (B) Pipeline		
Zone 11	Rover #11 (b) (3) (B)		
Zone 12	Rover #12 (b) (3) (B)		
Zone 13	Hickam Rover (All Areas)		
TK (b) (3) (B) HPV/TK (b) (3) (B)	RH Independent Validator		
(b) (3) (B)	Pearl Independent Validator		
(b) (3) (B)	Pearl Independent Validator		
(b) (3) (B)	Pearl Independent Validator		
HCK Pumphouse	Hickam Independent Validator		

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Authored By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-24 Unpacking to (b) (3) (B) with (b) (3) (B)	Doc #: U001 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

____ / ____ / ____ 110. **CRO:** Request permission to start the F-24 Drain Down valve alignment:

- CRO to SoW**
- SoW to Fuels Director**
- Fuels Director to Commanding Officer**

____ / ____ / ____ 120. **RH WL:** Confirm pressure at (b) (3) (B) is maintained between -16 and 5 psi on the compound pressure gauge throughout the operation.

____ / ____ / ____ 130. **CRO:** Request RH WL **OPEN** (b) (3) (B)

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Authorized By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order	Doc #: U001 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

- ____ / ____ / ____ 140. **CRO:** Use the table below to sequentially **OPEN** and validate the valves using the “point and call” system.
- ____ / ____ / ____ 150. **Rov/IV:** Validate valve alignment in the field and report valve position per CRO point and call request.

Pearl Harbor

Sequential Number	Valves Verified OPEN	Location	CRO Initials	Assistant CRO Initials	Time
1	(b) (3) (B)				/
2					/
3					/
4					/
5					/
6					/
7					/
8					/
9					/
10					/
11					/
12					/
13					/
14					/
15					/
16					/
17					/
18					/
19					/
20					/
21					/
22					/
23					/
24					/
25					/

(*) Denotes a manual valve.
(**) Throttle-valve.

NOTE: CRO shall regulate (b) (3) (B) in order to maintain pressure between **90 – 100 psi.**

NOTE: Throttle-valves **DO NOT** isolate fuel flow.

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-24 Unpacking to (b) (3) (B) with (b) (3) (B)	Doc #: U001 Rev No. 2
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Date Approved: 09/26/2022		Effective Date: 09/26/2022

Hickam Tank (b) (3) (B)

____ / ____ / ____ 160. **HCK WL/IV: OPEN** the following valves and report to **PRL CRO**.

Sequential Number	Valves Verified OPEN	Location	CRO Initials	Assistant CRO Initials	Time Rover
1	(b) (3) (B)				/
2					/

(*) Denotes a manual valve.

____ / ____ / ____ 170. **HCK WL/IV: CLOSE** the following valves and report to **PRL CRO**.

Sequential Number	Valves Verified CLOSE	Location	CRO Initials	Assistant CRO Initials	Time Rover
1	(b) (3) (B)				/

(*) Denotes a manual valve.

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Authorized By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH F-24 Unpacking to (b) (3) (B) with (b) (3) (B)	Doc #: U001 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 5 – DRAINING

DATE TIME INITIALS

___ / ___ / ___ 180. **CRO:** Request permission to start the F-24 Drain Down operation:

- CRO to SoW**
- SoW to Fuels Director**
- Fuels Director to Commanding Officer**

___ / ___ / ___ 190. **CRO:** Verify the following prior to proceeding:

- Verify Proper Valve Alignment
- HCK WL** ready to receive

___ / ___ / ___ 200. **RoV:** Take sample at (b) (3) (B).

___ / ___ / ___ 210. **CRO:** Slowly open (b) (3) (B) to begin transfer.

Sequential Number	Valves Verified	Location	CRO Initials	Assistant CRO Initials	Time
1	(b) (3) (B) * OPEN	(b) (3) (B)			/
(*) Denotes a manual valve.					

NOTE: Flow rate to not exceed 100,000 gallons per hour(gph) controlled by (b) (3) (B) .

___ / ___ / ___ 220. **HCK WL:** Inform **PRL CRO** when positive flow into the receiving tank is obtained.

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Authorized By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH F-24 Unpacking to (b) (3) (B) with (b) (3) (B)	Doc #: U001 Rev No. 2
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Date Approved: 09/26/2022		Effective Date: 09/26/2022

____ / ____ / ____ 230. CRO/WL: Monitor and record (b) (3) (B) meter hourly, once has registered 10,000 gal, crack and remove F-24 flange from (b) (3) (B) lateral for vent.

Hour # (Time)	Current Tank Amount (Gal)	(b) (3) (B) Meter (Gal)	CRO Initials	Assistant CRO Initials
0 ()				
.5 ()				
1 ()				
1.5 ()				
2 ()				
2.5 ()				
3 ()				

____ / ____ / ____ 240. CRO: Start Pump (b) (3) (B) at 1 (b) (3) (B) and have all zones report their conditions

Zone Assignment	Personnel Assignments	Report Time	Status (Notes)
Control Room	SoW		
Control Room	PRL CRO		
Control Room	PRL Assistant CRO		
HCK Pumphouse	HCK Pumphouse Operator		
(b) (3) (B) PH	Work Lead Pearl		
HCK Pumphouse	Work Supervisor Hickam		
TK (b) (3) (B) Lateral	Work Supervisor Red Hill		
TK (b) (3) (B) HPV	Work Lead Read Hill		
Zone 1	Rover #1 Lower Tank Gallery		
Zone 2	Rover #2 RH TK (b) (3) (B) HPV		
Zone 3	Rover #3 RH (b) (3) (B)/TK (b) (3) (B)		
Zone 4	Rover #4 (b) (3) (B)		
Zone 5	Rover #5 (b) (3) (B)		
Zone 6	Rover #6 (b) (3) (B) (b) (3) (B)		
Zone 7	Rover #7 (b) (3) (B)		
Zone 8	Rover #8 (b) (3) (B)		
Zone 9	Rover #9 (b) (3) (B) PH		
Zone 10	Rover #10 (b) (3) (B) Pipeline		
Zone 11	Rover #11 (b) (3) (B)		
Zone 12	Rover #12 (b) (3) (B)		
Zone 13	Hickam Rover (All Areas)		
TK (b) (3) (B) HPV/TK (b) (3) (B)	RH Independent Validator		
(b) (3) (B)	Pearl Independent Validator		
(b) (3) (B)	Pearl Independent Validator		
(b) (3) (B)	Pearl Independent Validator		
HCK Pumphouse	Hickam Independent Validator		

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Authorized By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH F-24 Unpacking to (b) (3) (B) with (b) (3) (B)	Doc #: U001 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

- ___ / ___ / ___ 250. CRO/PRL WL: Monitor (b) (3) (B), Pump (b) (3) (B) in preparation for loss of head and pump cavitation. NOTE: After ~144,362 gal, prepare for cavitation.
- ___ / ___ / ___ 260. CRO/PRL WL: CRO gets low suction alarm or pump cavitates, CRO will shutoff Pump (b) (3) (B) and have WL verify the pump is secured.

SECTION 6 – RETURN TO BASELINE

DATE TIME INITIALS

Hickam Tank 11-1

- ___ / ___ / ___ 270. HCK WL/IV: **CLOSE** the following valves and report to PRL CRO.

Sequential Number	Valves Verified CLOSE	Location	CRO Initials	Assistant CRO Initials	Time Rover
1	(b) (3) (B)				/
2					/

(*) Denotes a manual valve.

- ___ / ___ / ___ 280. HCK WL/IV: **OPEN** the following valves and report to PRL CRO.

Sequential Number	Valves Verified OPEN	Location	CRO Initials	Assistant CRO Initials	Time Rover
1	(b) (3) (B)				/

(*) Denotes a manual valve.

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-24 Unpacking to (b) (3) (B) with (b) (3) (B)	Doc #: U001 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

____ / ____ / ____ 290. **CRO:** Use the table below to sequentially **CLOSE** and validate the valves using the “point and call” system.

____ / ____ / ____ 300. **PRL Rov/IV:** Validate valve alignment in the field per **CRO** point and call direction.

Sequential Number	Valves Verified CLOSE	Location	CRO Initials	Assistant CRO Initials	Time Rover
1	(b) (3) (B)				/
2					/
3					/
4					/
5					/
6					/
7					/
8					/
9					/
10					/
11					/
12					/
13					/
14					/
15					/
16					/

(*) Denotes a manual valve.
(**) Throttle-valve.

NOTE: Throttle-valves DO NOT isolate fuel flow.

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-24 Unpacking to (b) (3) (B) with (b) (3) (B)	Doc #: U001 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

____/____/____ 310. **All assigned personnel:** Report zone condition to **CRO**.

Zone Assignment	Personnel Assignments	Report Time	Status (Notes)
Control Room	SoW		
Control Room	PRL CRO		
Control Room	PRL Assistant CRO		
HCK Pumphouse	HCK Pumphouse Operator		
(b) (3) (B) PH	Work Lead Pearl		
HCK Pumphouse	Work Supervisor Hickam		
TK (b) (3) (B) Lateral	Work Supervisor Red Hill		
TK (b) (3) (B) HPV	Work Lead Read Hill		
Zone 1	Rover #1 Lower Tank Gallery		
Zone 2	Rover #2 RH TK (b) (3) (B) HPV		
Zone 3	Rover #3 RH (b) (3) (B)/TK (b) (3) (B)		
Zone 4	Rover #4 (b) (3) (B)		
Zone 5	Rover #5 (b) (3) (B)		
Zone 6	Rover #6 (b) (3) (B)		
Zone 7	Rover #7 (b) (3) (B)		
Zone 8	Rover #8 (b) (3) (B)		
Zone 9	Rover #9 (b) (3) (B) PH		
Zone 10	Rover #10 (b) (3) (B) Pipeline		
Zone 11	Rover #11 (b) (3) (B)		
Zone 12	Rover #12 (b) (3) (B)		
Zone 13	Hickam Rover (All Areas)		
TK (b) (3) (B) HPV/TK (b) (3) (B)	RH Independent Validator		
(b) (3) (B)	Pearl Independent Validator		
(b) (3) (B)	Pearl Independent Validator		
(b) (3) (B)	Pearl Independent Validator		
HCK Pumphouse	Hickam Independent Validator		

____/____/____ 320. **RH WL/Rov:** Report the following procedures have been completed and report to **CRO**.

- (b) (3) (B) **CLOSE**
- TK (b) (3) (B) Blank Flange **Re-installed**

____/____/____ 330. **CRO:** Ensure the following are verified and will announce when complete:

- F-24 path utilized is back to baseline configuration
- “Issue”** Evolution has ended on AFHE System

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-24 Unpacking to (b) (3) (B) with (b) (3) (B)	Doc #: U001 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 7 – CLOSEOUT

DATE TIME INITIALS

____ / ____ / ____ 340. **HCK WL/Rov:** Manually gauge receiving tank ~ one (1) hour after the final secure time of the F-24 operation and record final meter amount issued and report to **CRO**.

Receiving Tank	Finish Level (Ft/In)	Finish Level (Gal)	CRO Initials	Assistant CRO Initials	Time
(b) (3) (B)					
(b) (3) (B) meter	N/A				

____ / ____ / ____ 350. **CRO/HCK WL:** Verify the following documents are completed and turned in at the main building, Pearl Harbor: B1757 and Hickam: 2125 at the end of the day:

- Pearl Harbor:**
 - FLC Fuel Form 703-18, Transfer Record
 - FLC Fuel Form 703-22, Tank Inventory Control Daily Levels
 - FLC Fuel Form 703-24, Running Gauge Record
- Hickam:**
 - FLC Fuel Form 703-18, Transfer Record
 - FLC Fuel Form 703-24, Running Gauge Record
 - LCL 23-15 Pipeline Receipts (b) (3) (B) and (b) (3) (B)

____ / ____ / ____ 360. **SoW:** Verify the following procedures have been completed:

- All procedures completed IAW OPORD
- Documentation is completed
- All information/signature blocks on operation order are filled in.

____ / ____ / ____ 370. **SoW:** Notify operational personnel that the operation is complete.

____ / ____ / ____ 380. **SoW:** Notify Fuels Director that the operation is complete.

ATTENTION: Once printed for field use, the document becomes a **NON-CONTROL COPY**. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-24 Unpacking to (b) (3) (E) with (b) (3) (E)	Doc #: U001 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

OPERATIONS ORDER CLOSEOUT

Select the appropriate statement below

Statement or Order	CRO Initial
This order was executed as written without any changes.	
This order was executed with changes as marked and approved on the order.	

NOTE: If the order required approved modification, the CRO to sign, date and forward for final approval and archiving.

NOTE: The Supervisory Distributive Facilities Specialist (SDFS) will pick all Operations Orders up at the end of the day at the Control Room.

_____ CRO _____ Date

- The CRO to forward this procedure to the Supervisory Distributive Facilities Specialist.

_____ Supervisory Distributive Facilities Specialist (SDFS) _____ Date

- The SDFS to forward this order to the Deputy Director of Fuels.

_____ Deputy Director of Fuels _____ Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authored By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH F-24 Unpacking to (b) (3) (B) with (b) (3) (B)	Doc #: U001 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

REVISION HISTORY

Revision Number	Description of Change	Technical Basis	Requested By	Approved By	Revision Date	Effective Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U001A
	Operations Order Pearl Harbor F-24 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	1 of 8

Reviewed By: (b) (6) – (b) (4) Engineer


Reviewed By: (b) (6) – Operations Supervisor

Reviewed By: (b) (6) – Fuels Operations Director

Approved By: (b) (6) – Deputy Fuels Director

(b) (6) Digitally signed by
(b) (6)
Date: 2022.09.27 20:11:55 -10'00'

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	JBPHH Fleet Logistics Center	Document No:	U001A
	Operations Order Pearl Harbor F-24 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	2 of 8

EVOLUTION START DATE: _____

CONTROL ROOM INITIALS (MASTER COPY): _____

FIELD COPY INITIALS: _____

EVOLUTION ORDER

- DFSP JBPHH conducts F-24 unpacking operations from Red Hill to Pearl Harbor to provide drain down of the F-24 Pipeline from Lower Tank Gallery Area to (b) (3) (B) with a fuel estimation of 144,362 gallons

NOTE: This Operations Order will provide the information to safely perform the following Operations Order

BASELINE – VALVE ALIGNMENT VERIFICATION

DATE TIME INITIALS

____ / ____ / ____ 10.

A terminal valve verification must be conducted prior to execution of any operation by following the procedures

- CRO validates motor operated valves (MOVs)
 - Comparison by AFHE in the baseline position to current position, by writing in the “current position” of the valve with the time of validation
- Rover validates manual valves
 - Comparison by in the field verification of the baseline position to current position, by writing in the “current position” of the valve with the time of validation

NOTE: Validation of valves will be verified by comparing baseline position to current position, while conducting valve validation inspection, if a valve is **NOT** in the **BASELINE** position, inform **CRO** immediately and bring to attention of **SoW** in morning briefing

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.



JBPHH Fleet Logistics Center
Operations Order Pearl Harbor F-24
Pipeline Drain Down Baseline OPORD
(Date OCT22)

Document No:	U001A
Revision No:	1.0
Page No:	3 of 8

F-24 Valve Baseline from RH to (b) (3) (B)					
Sequential Number	Valves Verified	Location	Baseline Position	Current Position	Time
1	(b) (3) (B)		NORMALLY CLOSED		
2			NORMALLY CLOSED		
3			NORMALLY CLOSED		
4			NORMALLY CLOSED		
5			NORMALLY CLOSED		
6			NORMALLY CLOSED		
7			NORMALLY CLOSED		
8			NORMALLY CLOSED		
9			NORMALLY CLOSED		
10			NORMALLY CLOSED		
11			NORMALLY CLOSED		
12			NORMALLY CLOSED		
13			NORMALLY OPEN		
14			NORMALLY OPEN		
15			NORMALLY OPEN		
16			NORMALLY OPEN		
17			NORMALLY CLOSED		
18			NORMALLY CLOSED		
19			NORMALLY CLOSED		
20			NORMALLY CLOSED		
21			NORMALLY CLOSED		

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.



JBPHH Fleet Logistics Center
Operations Order Pearl Harbor F-24
Pipeline Drain Down Baseline OPORD
(Date OCT22)

Document No:	U001A
Revision No:	1.0
Page No:	4 of 8

22	(b) (3) (B)	NORMALLY CLOSED		
23		NORMALLY CLOSED		
24		NORMALLY CLOSED		
25		NORMALLY CLOSED		
26		NORMALLY CLOSED		
27		NORMALLY CLOSED		
28		NORMALLY OPEN		
29		NORMALLY CLOSED		
30		NORMALLY CLOSED		
31		NORMALLY CLOSED		
32		NORMALLY CLOSED		
33		NORMALLY CLOSED		
34		NORMALLY CLOSED		
35		NORMALLY CLOSED		
36		NORMALLY CLOSED		
37		NORMALLY CLOSED		
38		NORMALLY CLOSED		
39		NORMALLY CLOSED		
40		NORMALLY OPEN		
41		NORMALLY CLOSED		
42		NORMALLY CLOSED		
43		NORMALLY CLOSED		
44		NORMALLY CLOSED		
45		NORMALLY CLOSED		
46		NORMALLY CLOSED		

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.



JBPHH Fleet Logistics Center
Operations Order Pearl Harbor F-24
Pipeline Drain Down Baseline OPORD
(Date OCT22)

Document No:	U001A
Revision No:	1.0
Page No:	5 of 8

47	(b) (3) (B)	NORMALLY CLOSED		
48		NORMALLY CLOSED		
49		NORMALLY CLOSED		
50		NORMALLY CLOSED		
51		NORMALLY CLOSED		
52		NORMALLY CLOSED		
53		NORMALLY OPEN		
54		NORMALLY OPEN		
55		NORMALLY OPEN		
56		NORMALLY OPEN		
57		NORMALLY OPEN		
58		NORMALLY OPEN		
59		NORMALLY OPEN		
60		NORMALLY CLOSED		
<p>(*) – Denotes Manual Valve</p> <p>All (b) (3) (B) Valves are OPEN for thermal expansion</p>				

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U001A
	Operations Order Pearl Harbor F-24 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	6 of 8

- ____/____/____ 20. After completion of the Baseline Operations Order (OPORD):
- CRO and Rover:** Print, sign and date at the bottom of the OPORD validates motor operated valves (MOVs)
 - CRO:** Ensure Baseline OPORD is provide to SoW for validation at the Watch Team Brief

Validation Baseline Inspection Completed by:

Rover #1 (Print, Sign, Date)

CRO (Print, Sign, Date)


- ____/____/____ 30. **SoW:** Validate Baseline configuration OPORD and verify terminal is ready to conduct fueling operation

SoW (Print, Sign, Date)

NOTE: If the Operations Order was completed with NO issues and NO changes, file should be placed in the completed Operations Order box.

NOTE: If the Operations Order was completed WITH issues or WITH changes, ensure the appropriate process was followed and signed off on for the change or issue. File this modified copy in the Operations Order modified box

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U001A
	Operations Order Pearl Harbor F-24 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	7 of 8

Operations Order Closeout:

Select the appropriate statement below

Statement or Order	CRO Initial
This order was executed as written without any changes.	
This order was executed with changes as marked and approved on the order	

NOTE: If the order required approved modification, the CRO to sign, date and forward for final approval and archiving.

NOTE: The Supervisory Distribution Facilities Specialist (SDFS) will pick all Operations Orders up at the end of the day at the Control Room.

_____ CRO _____ Date

- The CRO to forward this procedure to the Supervisory Distributive Facilities Specialist

_____ Supervisory Distribution Facilities Specialist (SDFS) _____ Date

- The SDFS to forward this order to the Deputy Director of Fuels

_____ Deputy Director of Fuels _____ Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center Operations Order Pearl Harbor F-24 Pipeline Drain Down Baseline OPORD (Date OCT22)	Document No:	U001A
		Revision No:	1.0
		Page No:	8 of 8

REVISION HISTORY

Revision Number	Description of Change	Technical Basis	Requested By	Approved By	Revision Date	Effective Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center Operations Order Hickam F-24 Pipeline Drain Down Baseline OPORD (Date OCT22)	Document No:	U001B
		Revision No:	1.0
		Page No:	1 of 9

Reviewed By: (b) (6) – (b) (4) Engineer

Reviewed By: (b) (6) – Operations Supervisor

Reviewed By: (b) (6) – Fuels Operations Director

Approved By: LCDR (b) (6) – Deputy Fuels Director

(b) (6) Digitally signed by
 (b) (6)
 Date: 2022.09.27 20:12:34
 -10'00'

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	JBPHH Fleet Logistics Center	Document No:	U001B
	Operations Order Hickam F-24 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	2 of 9

EVOLUTION START DATE: _____

CONTROL ROOM INITIALS (MASTER COPY): _____

FIELD COPY INITIALS: _____

EVOLUTION ORDER

- DFSP JBPHH conducts F-24 unpacking operations from Red Hill to Pearl Harbor to provide drain down of the F-24 Pipeline from Lower Tank Gallery Area to (b) (3) (B) with a fuel estimation of 144,362 gallons

NOTE: This Operations Order will provide the information to safely perform the following Operations Order

BASELINE – VALVE ALIGNMENT VERIFICATION

DATE TIME INITIALS

____ / ____ / ____ 10.

A terminal valve verification must be conducted prior to execution of any operation by following the procedures

- Hickam Pumphouse Operator and Work Supervisor validates all valves
 - Comparison by in the field verification of the baseline position to current position, by writing in the “current position” of the valve with the time of validation

NOTE: Validation of valves will be verified by comparing baseline position to current position, while conducting valve validation inspection, if a valve is **NOT** in the **BASELINE** position, inform **CRO** immediately and bring to attention of **SoW** in morning briefing

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.



JBPHH Fleet Logistics Center
Operations Order Hickam F-24 Pipeline
Drain Down Baseline OPORD
(Date OCT22)

Document No:	U001B
Revision No:	1.0
Page No:	3 of 9

F-24 Valve Baseline from APAD to HCK TK ^{(b)(3)(B)}					
Sequential Number	Valves Verified	Location	Baseline Position	Current Position	Time
1	(b) (3) (B)		NORMALLY OPEN		
2			NORMALLY CLOSED		
3			NORMALLY CLOSED		
4			NORMALLY CLOSED		
5			NORMALLY CLOSED		
6			NORMALLY CLOSED		
7			NORMALLY OPEN		
8			NORMALLY OPEN		
9			NORMALLY CLOSED		
10			NORMALLY CLOSED		
11			NORMALLY CLOSED		
12			NORMALLY CLOSED		
13			NORMALLY OPEN		
14			NORMALLY OPEN		

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.



JBPHH Fleet Logistics Center
Operations Order Hickam F-24 Pipeline
Drain Down Baseline OPORD
(Date OCT22)

Document No:	U001B
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Page No:	4 of 9

15	(b) (3) (B)	NORMALLY OPEN		
16	(b) (3) (B)	NORMALLY CLOSED		
17	(b) (3) (B)	NORMALLY CLOSED		
18	(b) (3) (B)	NORMALLY CLOSED (DEFAULT)		
19	(b) (3) (B)	NORMALLY OPEN (DEFAULT)		
20	(b) (3) (B)	NORMALLY OPEN		
21	(b) (3) (B)	NORMALLY OPEN		
22	(b) (3) (B)	NORMALLY CLOSED		
23	(b) (3) (B)	NORMALLY OPEN		
24	(b) (3) (B)	NORMALLY OPEN		
25	(b) (3) (B)	NORMALLY OPEN		

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.



JBPHH Fleet Logistics Center
Operations Order Hickam F-24 Pipeline
Drain Down Baseline OPORD
(Date OCT22)

Document No:	U001B
Revision No:	1.0
Page No:	5 of 9

26	(b) (3) (B)	NORMALLY OPEN		
27	(b) (3) (B)	NORMALLY CLOSED		
28	(b) (3) (B)	NORMALLY OPEN		
29	(b) (3) (B)	NORMALLY CLOSED		
30	(b) (3) (B)	NORMALLY CLOSED		
31	(b) (3) (B)	NORMALLY CLOSED		
32	(b) (3) (B)	NORMALLY OPEN		
33	(b) (3) (B)	NORMALLY CLOSED		
34	(b) (3) (B)	NORMALLY OPEN		

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.


	JBPHH Fleet Logistics Center	Document No:	U001B
	Operations Order Hickam F-24 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	6 of 9

35	(b) (3) (B)	NORMALLY OPEN		
36		NORMALLY OPEN		
37		NORMALLY OPEN		
38		NORMALLY OPEN		

(*) – Denotes Manual Valve

1. For HCK TK (b) (3) (B) inter-dependent and must open or closed jointly.
2. For HCK TK (b) (3) (B) inter-dependent and must open or closed jointly.
3. For (Return Line) (b) (3) (B) the new valve line up must be opened prior to closing the old valve line up

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U001B
	Operations Order Hickam F-24 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	7 of 9

- ____/____/____ 20. After completion of the Baseline Operations Order (OPORD):
- Hickam Pumphouse Operator and Work Supervisor:** Print, sign and date at the bottom of the OPORD validates motor operated valves (MOVs)
 - CRO:** Ensure Baseline OPORD is provide to SoW for validation at the Watch Team Brief

Validation Baseline Inspection Completed by:

Hickam Pumphouse Operator (Print, Sign, Date)

Work Supervisor (Print, Sign, Date)

- ____/____/____ 30. **SoW:** Validate Baseline configuration OPORD and verify terminal is ready to conduct fueling operation

SoW (Print, Sign, Date)

NOTE: If the Operations Order was completed with NO issues and NO changes, file should be placed in the completed Operations Order box.

NOTE: If the Operations Order was completed WITH issues or WITH changes, ensure the appropriate process was followed and signed off on for the change or issue. File this modified copy in the Operations Order modified box

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U001B
	Operations Order Hickam F-24 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	8 of 9

Operations Order Closeout:

Select the appropriate statement below

Statement or Order	CRO Initial
This order was executed as written without any changes.	
This order was executed with changes as marked and approved on the order	

NOTE: If the order required approved modification, the CRO to sign, date and forward for final approval and archiving.

NOTE: The Supervisory Distribution Facilities Specialist (SDFS) will pick all Operations Orders up at the end of the day at the Control Room.

_____ CRO _____ Date


- The CRO to forward this procedure to the Supervisory Distribution Facilities Specialist

_____ Supervisory Distribution Facilities Specialist (SDFS) _____ Date

- The SDFS to forward this order to the Deputy Director of Fuels

_____ Deputy Director of Fuels _____ Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center Operations Order Hickam F-24 Pipeline Drain Down Baseline OPORD (Date OCT22)	Document No:	U001B
		Revision No:	1.0
		Page No:	9 of 9

REVISION HISTORY

Revision Number	Description of Change	Technical Basis	Requested By	Approved By	Revision Date	Effective Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

(b) (3) (B)



(b) (3) (B)



(b) (3) (B)



Authored By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-24 Unpacking to (b) (6) via AODD Pump	Doc #: U002 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

Reviewed By: (b) (6) – (b) (4) Engineer

Reviewed By: (b) (6) – Operations Supervisor

Reviewed By: (b) (6) – Fuels Operations Director

Approved By: LCDR (b) (6) – Deputy Fuels Director

(b) (6)

Digitally signed by
 (b) (6)
 Date: 2022.09.27 20:15:35 -10'00'

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-24 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U002 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		Effective Date: 09/26/2022
Date Approved: 09/26/2022		

EVOLUTION START DATE: _____

CONTROL ROOM INITIALS (MASTER COPY): _____

FIELD COPY INITIALS: _____

EVOLUTION ORDER

1. This Operations Order ONLY details procedures for **Phase 4, Suction Unpack**, of the ‘F-24 Unpacking Process.’
2. DFSP JBPHH conducts suction operations from the Red Hill F-24 Pipeline to Tank (b) (3) (B) to vacate F-24 pipeline of ~17,707 gallons remaining to empty pipeline to (b) (3) (B).

Issue Source	Receipt Tank	Volume/Quantity (Gals)	Deputy Director of Fuels Initial
RH F-24 Pipeline	(b) (3) (B)		

WARNING: In the case of an emergency, take the following steps:

1. Take immediate action to shut the nearest valve to prevent the movement of fuel;
2. Notify the CRO;
3. Reference the ICP plan for further instruction.

REFERENCES

1. Operations, Maintenance, Environmental, and Safety Plan (OMES), Dated August 2018
2. MIL – STD 3004-1: Department of Defense Standard Practice Quality Assurance for Bulk Fuels, Lubricants and Related Products
3. Integrated Contingency Plan (ICP), Date August 2018

ENCLOSURES

Enclosure (1): Flow Diagram

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-24 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U002 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		

OPERATIONS ORDER START

CAUTION: If a deviation or modification is needed in this order, the CRO must obtain proper approval for the change following the Change Request Form at the rear of this document.

NOTE: A valve baseline must be conducted prior to the execution of this Operations Order.

SECTION 1 – MUSTER

DATE TIME INITIALS

____ / ____ / ____ 10. **SoW:** Conduct a Muster to ensure all assigned personnel are in attendance for the upcoming brief.

Zone Assignment	Personnel Assignments	Name(s)	Call Sign
Control Room	SoW		
Control Room	CRO		
Control Room	Assistant CRO		
(b) (3) (B) and (b) (3) (B) ^P	(b) (3) (B) Work Supervisor(VS- (b) (3) (B) WS)		
RH TK (b) (3) (B) HPV	Work Lead RH (RH WL)		
(b) (3) (B) and (b) (3) (B)	Work Lead PH (PH WL)		
(b) (3) (B) and (b) (3) (B) ^P	Pump Operator (PO)		
(b) (3) (B) and (b) (3) (B) ^P	Assistant Pump Operator		
Zone 1	Rover #1 Lower Tank Gallery		
Zone 2	Rover #2 RH TK (b) (3) (B) HPV		
Zone 3	Rover #3 (b) (3) (B)		
Zone 4	Rover #4 (b) (3) (B)		
Zone 5	Rover #5 (b) (3) (B)		
Zone 6	Rover #6 (b) (3) (B)		
Zone 7	Rover #7 (b) (3) (B) ^P		
Zone 8	Rover #8 (b) (3) (B)		
Zone 9	Rover #9 TK (b) (3) (B)		
RH TK (b) (3) (B) HPV	Independent Validator RH		
(b) (3) (B)	Independent Validator PH		
(b) (3) (B) ^P	Independent Validator PH		

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-24 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U002 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 2 – PRE-BRIEF

DATE TIME INITIALS

- ___/___/___ 20. **SoW:** Confirm Phase 3, Drain Down Operations Order has been completed and operating conditions are acceptable to proceed.
- ___/___/___ 30. **WS/WL:** Confirm and assign required personnel needed for this Operations Order.
- ___/___/___ 40. **CRO:** Verify following AFHE readings:
- Valve baseline matches current AFHE configuration
 - SDS and ICP all on-hand and updated
 - Ullage in receiving tank (b) (3) (B) is greater than ~19,478 gallons for transfer. (110% total)

Asset Location	Start Level (Ft/In)	Start Ullage (Gal)	CRO Initials	Assistant CRO Initials	Time
(b) (3) (B)					

HCK Tank	High Op Limit Level (Ft/In)	High Op Limit Level (Gal)
TK (b) (3) (B)	(b) (3) (B)	(b) (3) (B)

NOTE: If there is a discrepancy from the AFHE to the last manual gauge that is +/- 3/16", inform Fuel Operations Supervisor before proceeding.

- ___/___/___ 50. (b) (3) (B) **WS:** Have the following required paperwork on hand:
- Operation Order
 - C700 Operations Notification Flow Chart

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Authored By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-24 Unpacking to (b) (6) via AODD Pump	Doc #: U002 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 3 – WATCH TEAM BRIEF

DATE TIME INITIALS

____ / ____ / ____ 60. **SoW:** Lead the brief in the 1757 Meeting Room to include:

- Operational Expectations
- Operational Priorities
- Integrated Contingency Plan (ICP), Date August 2018

____ / ____ / ____ 70. **SoW:** Step through operations order and address any questions.

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH F-24 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U002 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		

SECTION 4 - VALVE ALIGNMENT

DATE TIME INITIALS

____ / ____ / ____ 80.

All Assigned Personnel: Report to their designated zones and conduct radio communications check with CRO.

Zone Assignment	Personnel Assignments	Report Time
Control Room	SoW	
Control Room	CRO	
Control Room	Assistant CRO	
(b) (3) (B) and (b) (3) (B) ^P	Work Supervisor VS-1C	
RH TK (b) (3) (B) HPV	Work Lead RH	
(b) (3) (B) and (b) (3) (B) ^P	Work Lead PH	
(b) (3) (B) and (b) (3) (B) ^P	Pump Operator	
(b) (3) (B) and (b) (3) (B) ^P	Assistant Pump Operator	
Zone 1	Rover #1 Lower Tank Gallery	
Zone 2	Rover #2 RH TK (b) (3) (B) HPV	
Zone 3	Rover #3 (b) (3) (B)	
Zone 4	Rover #4 (b) (3) (B)	
Zone 5	Rover #5 (b) (3) (B)	
Zone 6	Rover #6 (b) (3) (B) ^R	
Zone 7	Rover #7 (b) (3) (B) ^P	
Zone 8	Rover #8 (b) (3) (B) ^P	
Zone 9	Rover #9 TK (b) (3) (B)	
RH TK (b) (3) (B) HPV	Independent Validator RH	
(b) (3) (B)	Independent Validator PH	
(b) (3) (B) ^P	Independent Validator PH	

____ / ____ / ____ 90.

(b) (3) (B) WS: Complete the following procedures and report to the **CRO**:

- Confirm hose inspection and gaskets are ready for instillation
- Inspect Compressor and air lines are in working condition
- Inspect Pump, ensuring that pump is properly secured to prevent movement
- Confirm that compressor and pump are ready for operation

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-24 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U002 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		

- ___ / ___ / ___ 100. **RH WL:** Ensure pressure at the HPV is maintained between (b) (3) (B) and (b) (3) (B) psi on the compound gauge throughout the operation.
- ___ / ___ / ___ 110. **RH WL:** Request authorization to **OPEN** (b) (3) (B)
- ___ / ___ / ___ 120. **RH WL:** **OPEN** TK (b) (3) (B) Flange to vent.
- ___ / ___ / ___ 130. **CRO:** Use the table below to sequentially **OPEN** and validate the valves using the “point and call” system.
- ___ / ___ / ___ 140. **Rov/IV:** Validate valve alignment in the field and report valve position per CRO point and call request.

Sequential Number	Valves Verified OPEN	Location	CRO Initials	Assistant CRO Initials	Time
1	(b) (3) (B)				/
2					/
3					/
4					/
5					/
6					/
7					/
8					/
9					/
10					/

(*) Denotes manual valves.
(**) Throttle-valve.

NOTE: Throttle-valves DO NOT isolate fuel flow.

- ___ / ___ / ___ 150. **CRO:** Use the table below to sequentially **OPEN** and validate the valves using the “point and call” system.
- ___ / ___ / ___ 160. **Rov/IV:** shall sequentially **OPEN** and validate valve alignment in the field and report valve position to CRO.

Sequential Number	Valves Verified OPEN	Location	CRO Initials	Assistant CRO Initials	Time
1	(b) (3) (B)				/
2					/
3					/
4					/
5					/

(*) Denotes manual valves.

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-24 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U002 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		

SECTION 5 – TRANSFER PUMP SUCTION CYCLE

- ____ / ____ / ____ 170. (b) (3) (B) WS: Complete the following procedures and report to the CRO:
- Connect/Confirm suction hose to (b) (3) (B) manifold and verify is properly secured
 - Connect/Confirm drain hose to (b) (3) (B) manifold and verify is properly secured
- ____ / ____ / ____ 180. CRO: Request permission to start the F-24 Suction Unpacking operation:
- CRO to SoW
 - SoW to Fuels Director
 - Fuels Director to Commanding Officer
- ____ / ____ / ____ 190. CRO: Begin the “Receiving” Evolution on AFHE System to TK (b) (3) (B).
- ____ / ____ / ____ 200. PO (b) (3) (B) WS: Start the pump
- OPEN (b) (3) (B), (b) (3) (B)
 - OPEN (b) (3) (B) Manifold Valve
 - OPEN (b) (3) (B), (b) (3) (B)
 - Start the Compressor
 - Slowly open air line valve – pump should begin to cycle – wait for pump to prime (discharge hose will begin to move)
 - Continue opening air line valve until fully open and pump is at full speed
- ____ / ____ / ____ 210. PO (b) (3) (B) WS: Monitor pump for excessive vibration or loss of prime
- ____ / ____ / ____ 220. CRO: Monitor tank (b) (3) (B) level for expected drain amount
- ____ / ____ / ____ 230. PO (b) (3) (B) WS: Stopping the pump
- Once tank level has reached desired transfer amount or only air is being pumped, stop the pump.
 - Slowly close the air line valve
 - Turn off the Compressor
 - CLOSE (b) (3) (B), (b) (3) (B)
 - CLOSE (b) (3) (B), Manifold Valve
 - CLOSE (b) (3) (B), (b) (3) (B)

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH F-24 Unpacking to (b) (6) via AODD Pump	Doc #: U002 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		

SECTION 6 – RETURN TO BASELINE

DATE TIME INITIALS

____ / ____ / ____ 240. **CRO:** Use the table below to sequentially **CLOSE** and validate the valves using the “point and call” system.

____ / ____ / ____ 250. **Rov/IV:** Sequentially **CLOSE** and validate valve alignment in the field and report valve position to CRO.

Sequential Number	Valves Verified CLOSE	Location	CRO Initials	Assistant CRO Initials	Time
6	(b) (3) (B)				
7					/
8					/
9					/
10					/
11					/
12					/
13					/
14					/
15					/

(*) Denotes manual valves

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-24 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U002 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		

SECTION 7 – CLOSEOUT

DATE TIME INITIALS

____/____/____ 300. (b) (3) (B) **WS:** Complete the following procedures and report to the **CRO:**

- All equipment is stowed away
- Pump is secured

____/____/____ 310. **Row:** Manually gauge receiving tank ~ one (1) hour after the final secure time of the F-24 operation and record final tank level.

Receiving Tank	Finish Level (Ft/In)	Finish Level (Gal)	CRO Initials	Assistant CRO Initials	Time
TK (b) (3) (B)					

____/____/____ 320. **CRO:** Finalize the following documents are completed and turned in at the main building B1757 at the end of the day:

- FLC Fuel Form 703-18, Transfer Record
- FLC Fuel Form 703-22, Tank Inventory Control Daily Levels

____/____/____ 330. **SoW:** verify the following the follow procedures have been completed:

- All procedures completed IAW OPORD
- Documentation is completed
- All information/signature blocks on operation order are filled in

____/____/____ 340. **SoW:** Notify operational personnel the operation is complete.

____/____/____ 350. **SoW:** Notify the Fuels Director the operation is complete.

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Authored By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-24 Unpacking to (b) (6) via AODD Pump	Doc #: U002 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		

OPERATIONS ORDER CLOSEOUT

Select the appropriate statement below:

Statement or Order	CRO Initial
This order was executed as written without any changes.	
This order was executed with changes as marked and approved on the order.	

NOTE: If the order required approved modification, the CRO to sign, date and forward for final approval and archiving.

NOTE: The Supervisory Distributive Facilities Specialist (SDFS) will pick all Operations Orders up at the end of the day at the Control Room.

_____ CRO _____ Date

- The CRO to forward this procedure to the Supervisory Distributive Facilities Specialist.

_____ Supervisory Distributive Facilities Specialist (SDFS) _____ Date

- The SDFS to forward this order to the Deputy Director of Fuels.

_____ Deputy Director of Fuels _____ Date


ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authored By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-24 Unpacking to (b) (6) via AODD Pump	Doc #: U002 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		Effective Date: 09/26/2022
Date Approved: 09/26/2022		

REVISION HISTORY

Revision Number	Description of Change	Technical Basis	Requested By	Approved By	Revision Date	Effective Date

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	JBPHH Fleet Logistics Center Operations Order F-24 Pipeline Suction Drain Down Baseline OPORD (Date OCT22)	Document No:	U002A
		Revision No:	0.0
		Page No:	1 of 8

Reviewed By: (b) (6) – (b) (4) Engineer


Reviewed By: (b) (6) – Operations Supervisor

Reviewed By: (b) (6) – Fuels Operations Director

Approved By: LCDR (b) (6) – Deputy Fuels Director

(b) (6) Digitally signed by
 (b) (6)
 Date: 2022.09.27 20:16:32 -10'00'

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	JBPHH Fleet Logistics Center	Document No:	U002A
	Operations Order F-24 Pipeline Suction Drain Down Baseline OPORD (Date OCT22)	Revision No:	0.0
		Page No:	2 of 8

EVOLUTION START DATE: _____

CONTROL ROOM INITIALS (MASTER COPY): _____

FIELD COPY INITIALS: _____

EVOLUTION ORDER

1. DFSP JBPHH conducts F-24 unpacking operations from Red Hill to Pearl Harbor to provide drain down of the F-24 Pipeline from (b) (3) (B) Area to (b) (3) (B) with a fuel estimation of 18,349 gallons

NOTE: This Operations Order will provide the information to safely perform the following Operations Order

BASELINE – VALVE ALIGNMENT VERIFICATION

DATE TIME INITIALS

____ / ____ / ____ 10. A terminal valve verification must be conducted prior to execution of any operation by following the procedures

- CRO validates motor operated valves (MOVs)
 - Comparison by AFHE in the baseline position to current position, by writing in the “current position” of the valve with the time of validation
- Rover validates manual valves
 - Comparison by in the field verification of the baseline position to current position, by writing in the “current position” of the valve with the time of validation

NOTE: Validation of valves will be verified by comparing baseline position to current position, while conducting valve validation inspection, if a valve is **NOT** in the **BASELINE** position, inform **CRO** immediately and bring to attention of **SoW** in morning briefing

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JBPHH Fleet Logistics Center
Operations Order F-24 Pipeline Suction
Drain Down Baseline OPORD
(Date OCT22)

Document No:	U002A
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F-24 Valve Baseline via AODD Pump RH to TK ^{(b) (3) (B)}						
Sequential Number	Valves Verified	Location	Baseline Position	Current Position	Time	
1	(b) (3) (B)		NORMALLY CLOSED			
2			NORMALLY CLOSED			
3			NORMALLY CLOSED			
4			NORMALLY CLOSED			
5			NORMALLY CLOSED			
6			NORMALLY CLOSED			
7			NORMALLY CLOSED			
8			NORMALLY CLOSED			
9			NORMALLY CLOSED			
10			NORMALLY CLOSED			
11			NORMALLY CLOSED			
12			NORMALLY CLOSED			
13				NORMALLY OPEN		
14				NORMALLY OPEN		
15				NORMALLY OPEN		
16				NORMALLY OPEN		
17				NORMALLY CLOSED		
18				NORMALLY CLOSED		
19				NORMALLY CLOSED		
20				NORMALLY CLOSED		
21				NORMALLY CLOSED		

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.




JBPHH Fleet Logistics Center
Operations Order F-24 Pipeline Suction
Drain Down Baseline OPORD
(Date OCT22)

Document No:	U002A
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22	(b) (3) (B)	NORMALLY CLOSED		
23		NORMALLY CLOSED		
24		NORMALLY CLOSED		
25		NORMALLY CLOSED		
26		NORMALLY CLOSED		
27		NORMALLY CLOSED		
28		NORMALLY OPEN		
29		NORMALLY CLOSED		
30		NORMALLY CLOSED		
31		NORMALLY CLOSED		
32		NORMALLY CLOSED		
33		NORMALLY CLOSED		
34		NORMALLY CLOSED		
35		NORMALLY CLOSED		
36		NORMALLY CLOSED		
37		NORMALLY CLOSED		
38		NORMALLY CLOSED		
39		NORMALLY CLOSED		
40		NORMALLY CLOSED		
41		NORMALLY CLOSED		
42		NORMALLY OPEN		
43		NORMALLY CLOSED		
44		NORMALLY CLOSED		
45		NORMALLY CLOSED		
46		NORMALLY CLOSED		

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	JBPHH Fleet Logistics Center Operations Order F-24 Pipeline Suction Drain Down Baseline OPORD (Date OCT22)	Document No:	U002A
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		Page No:	5 of 8

47	(b) (3) (B)	NORMALLY OPEN		
48		NORMALLY CLOSED		
49		NORMALLY CLOSED		
50		NORMALLY CLOSED		
51		NORMALLY CLOSED		
52		NORMALLY CLOSED		
53		NORMALLY CLOSED		
54		NORMALLY OPEN		
55		NORMALLY CLOSED		
(*) – Denotes Manual Valve				

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	JBPHH Fleet Logistics Center Operations Order F-24 Pipeline Suction Drain Down Baseline OPORD (Date OCT22)	Document No:	U002A
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		Page No:	6 of 8

- ____/____/____ 20. After completion of the Baseline Operations Order (OPORD):
- CRO and Rover:** Print, sign and date at the bottom of the OPORD validates motor operated valves (MOVs)
 - CRO:** Ensure Baseline OPORD is provide to SoW for validation at the Watch Team Brief

Validation Baseline Inspection Completed by:

Rover #1 (Print, Sign, Date)

CRO (Print, Sign, Date)

- ____/____/____ 30. **SoW:** Validate Baseline configuration OPORD and verify terminal is ready to conduct fueling operation

SoW (Print, Sign, Date)

NOTE: If the Operations Order was completed with NO issues and NO changes, file should be placed in the completed Operations Order box.

NOTE: If the Operations Order was completed WITH issues or WITH changes, ensure the appropriate process was followed and signed off on for the change or issue. File this modified copy in the Operations Order modified box

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center Operations Order F-24 Pipeline Suction Drain Down Baseline OPORD (Date OCT22)	Document No:	U002A
		Revision No:	0.0
		Page No:	7 of 8

Operations Order Closeout:

Select the appropriate statement below

Statement or Order	CRO Initial
This order was executed as written without any changes.	
This order was executed with changes as marked and approved on the order	

NOTE: If the order required approved modification, the CRO to sign, date and forward for final approval and archiving.

NOTE: The Supervisory Distribution Facilities Specialist (SDFS) will pick all Operations Orders up at the end of the day at the Control Room.

_____ CRO _____ Date


- The CRO to forward this procedure to the Supervisory Distribution Facilities Specialist

_____ Supervisory Distribution Facilities Specialist (SDFS) _____ Date

- The SDFS to forward this order to the Deputy Director of Fuels

_____ Deputy Director of Fuels _____ Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center Operations Order F-24 Pipeline Suction Drain Down Baseline OPORD (Date OCT22)	Document No:	U002A
		Revision No:	0.0
		Page No:	8 of 8

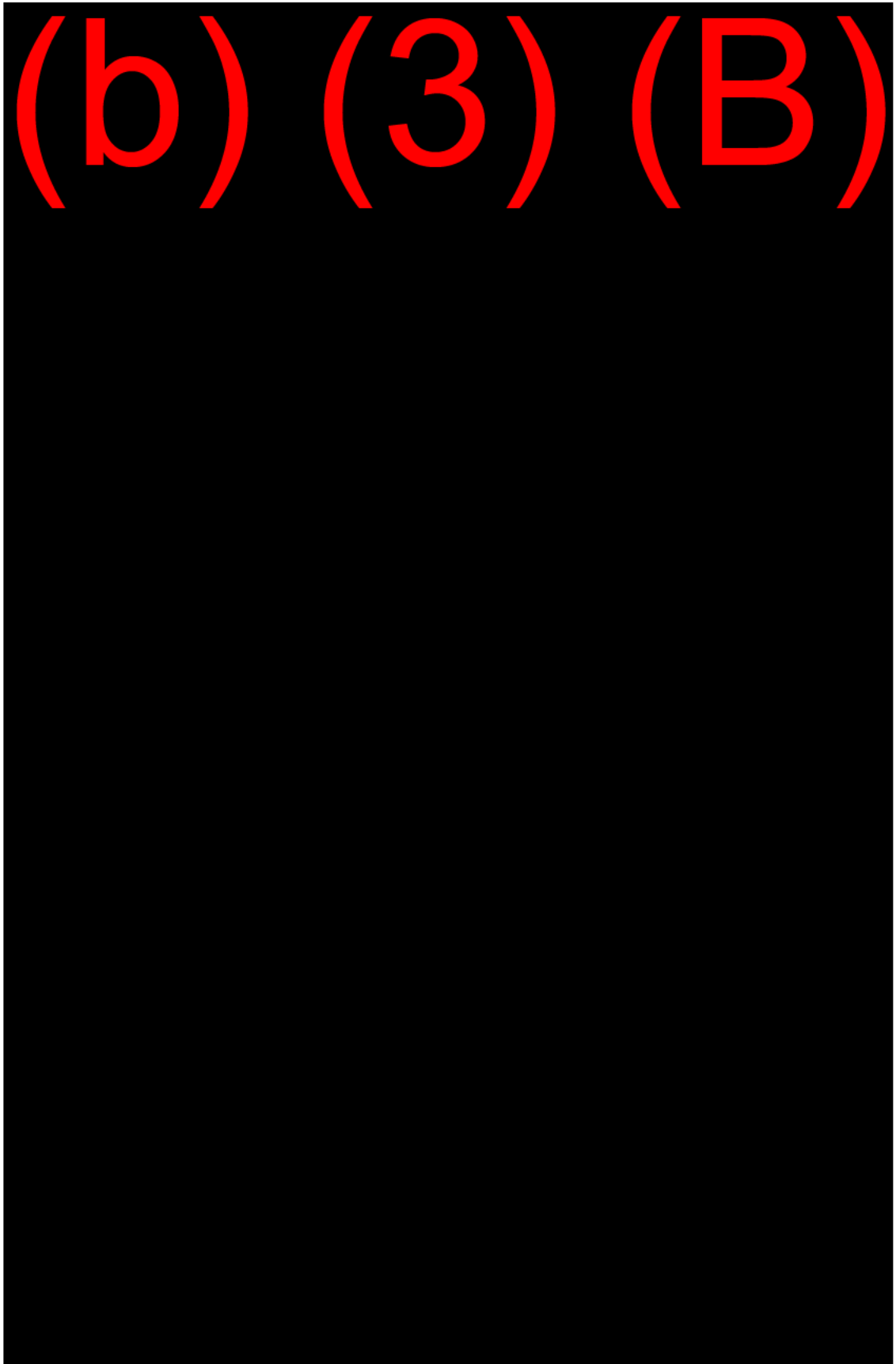
REVISION HISTORY

Revision Number	Description of Change	Technical Basis	Requested By	Approved By	Revision Date	Effective Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

(b) (3) (B)





(b) (3) (B)

Authored By: (b) (6)	<u>DFSP Pearl Harbor</u> <u>Maintenance Order</u> Red Hill JP-5 Line Equalization and Maintenance Order	Doc #: UM02 Rev No. 1
Doc Custodian: Fuels Department		Maintenance Order
Approved By: LCDR (b) (6)		Effective Date: 09/26/2022
Date Approved: 09/26/2022		

Reviewed By: (b) (6) – (b) (4) Engineer

Reviewed By: (b) (6) – Operations Supervisor

Reviewed By: (b) (6) – Fuels Operations Director

Approved By: LCDR (b) (6) – Deputy Fuels Director

(b) (6)
 Digitally signed by
 (b) (6)
 Date: 2022.09.27 21:50:36 -10'00'

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor</u> <u>Maintenance Order</u> Red Hill JP-5 Line Equalization and Maintenance Order	Doc #: UM02 Rev No. 1
Doc Custodian: Fuels Department		Maintenance Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

Requested Start Date: 10/3/2022 **Estimated Work Time:** 4 hrs **Severity:** Routine
Operations Support Needed: No / **Yes:** Equalize JP-5 Line / Return Sectional Valves to Baseline
Operations Scheduling Needed: None / **Impact:** / Blackout: Red Hill to (b) (3) (B) JP-5 LOTO

MAINTENANCE ORDER

1. This Maintenance Order ONLY details **Phase 2, Equalization and Valve Maintenance** of the ‘JP-5 Unpacking Process’.
2. DFSP JBPHH conducts equalization on the Red Hill JP-5 pipeline to support the maintenance greasing, cycling, and PM work on the sectional valves.

WARNING: In the case of an emergency, take the following steps:

1. **Take immediate action to shut the nearest valve to prevent the movement of fuel;**
2. **Notify the CRO;**
3. **Reference the ICP plan for further instruction.**

REFERENCES

1. Operations, Maintenance, Environmental, and Safety Plan (OMES), Dated August 2018
2. UFC 3-460-03, United Facilities Criteria, Operations and Maintenance: Maintenance Petroleum Fuel Facilities
3. NAVSUPINST 5100.12B Control of Hazardous Energy
4. Mechanical Integrity Procedure

ENCLOSURES

- Enclosure (1): ECP
Enclosure (2): WAF: To be completed
Enclosure (3): PM Job Orders: To be completed

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor</u> <u>Maintenance Order</u> Red Hill JP-5 Line Equalization and Maintenance Order	Doc #: UM02 Rev No. 1
Doc Custodian: Fuels Department		Maintenance Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

MAINTENANCE ORDER START

SECTION 1 – MUSTER

DATE TIME INITIALS

____ / ____ / ____ 10. **LAP:** Conduct a Muster to ensure all assigned personnel are in attendance for the upcoming brief.

Zone Assignment	Personnel Assignments	Name	Call Sign
	Lead Authorized Person(LAP)		
	Maintenance Controller(MC)		
	Maintenance Personnel(MP)		
	Maintenance Supervisor(MS)		
	Operations Supervisor(OS)		
	Operations Personnel(OP)		
	CRO		
	Assistant CRO		

SECTION 2 – PRE-BRIEF

DATE TIME INITIALS

____ / ____ / ____ 20. **MC:** Confirm submitted ECP form and prepare WAF form.

____ / ____ / ____ 30. **MC:** Review Maintenance and Operations Schedule for any impact to or from this order on overlapping Operations or Maintenance Orders.

____ / ____ / ____ 40. **OS/MS:** Confirm and assign required personnel needed for the Maintenance Order.

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor</u> <u>Maintenance Order</u> Red Hill JP-5 Line Equalization and Maintenance Order	Doc #: UM02 Rev No. 1
Doc Custodian: Fuels Department		Maintenance Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 3 – WATCH TEAM BRIEF

DATE TIME INITIALS

- ____/____/____ 50. **LAP:** Lead the brief in the Maintenance Control Room to include:
- ECP review
 - WAF review
 - Maintenance Order
 - Operations Involvement
- ____/____/____ 60. **MC:** Administrate Documents, Provide Locks, and Post WAF.
- ____/____/____ 70. **MP:** Confirm and Sign ECP and WAF.
- ____/____/____ 80. **OS/MS:** Confirm personnel assignments, scheduling, and operations requirements.
- ____/____/____ 90. **CRO:** Confirm readings and information accuracy:
- Flow Path – is accurate and no *oos* notes in AFHE
 - MOV Isolation – MOVs indicated in ECP not part of separate LOTO, and actuation will not interfere with simultaneous operations
 - AFHE Involvement – Confirm AFHE ability to support order
 - Approximate duration – Confirm scheduling and control of simultaneous operations will not overburden Control Room

SECTION 4 – PRE-CHECK

DATE TIME INITIALS

- ____/____/____ 100. **LAP:** Walk and view piping and isolation points, confirming ECP.
- ____/____/____ 110. **MC:** Walk and view piping and isolation points, confirming ECP.

Attach & Review ECP and ECP drawings to this order.

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor</u> <u>Maintenance Order</u> Red Hill JP-5 Line Equalization and Maintenance Order	Doc #: UM02 Rev No. 1
Doc Custodian: Fuels Department		Maintenance Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 5 – ISOLATING AND LOTO

DATE TIME INITIALS

- ____ / ____ / ____ 120. **LAP:** Verify ECP Valve Configuration and Hang Equipment Locks & Tags.
- ____ / ____ / ____ 130. **LAP/MP:** Install Locking Devices and Tags per ECP.
- ____ / ____ / ____ 140. **LAP:** Review Locks, Tags, and Isolation Devices.
- ____ / ____ / ____ 150. **LAP:** Sign and Post WAF and ECP package at job site.
- ____ / ____ / ____ 160. **OP:** Vent JP-5 Line.

- Install Compound Pressure Gauge assembly at (b) (3) (B)
- Open (b) (3) (B), keeping the Pressure Gauge assembly valve closed. Should see pressure decrease here slightly
- Verify Gauge is reading (b) (3) (B) psig
- Very Slowly Open Pressure Gauge assembly valve – NOTE: May hear air suck into pipe
- Wait for pressure to equalize

- ____ / ____ / ____ 170. **OP:** Open Sectionals (b) (3) (B)
- Slowly Open (b) (3) (B), keeping communication with OP at (b) (3) (B). If the pressure reads (b) (3) (B) psig slow the opening of the valve
 - Open until the valve is fully open – verified by indicator and CRO
 - Wait for pressure to equalize
 - Repeat this step until all stated sectionals have been opened and the pipeline has been equalized

- ____ / ____ / ____ 180. **OP:** Close (b) (3) (B)

SECTION 6 – UNDERGOING MAINTENANCE

DATE TIME INITIALS

- ____ / ____ / ____ 190. **MP:** Complete assigned PM and Job Orders.

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authored By: (b) (6)	<u>DFSP Pearl Harbor</u> <u>Maintenance Order</u> Red Hill JP-5 Line Equalization and Maintenance Order	Doc #: UM02 Rev No. 1
Doc Custodian: Fuels Department		Maintenance Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

REVISION HISTORY

Revision Number	Description of Change	Technical Basis	Requested By	Approved By	Revision Date	Effective Date

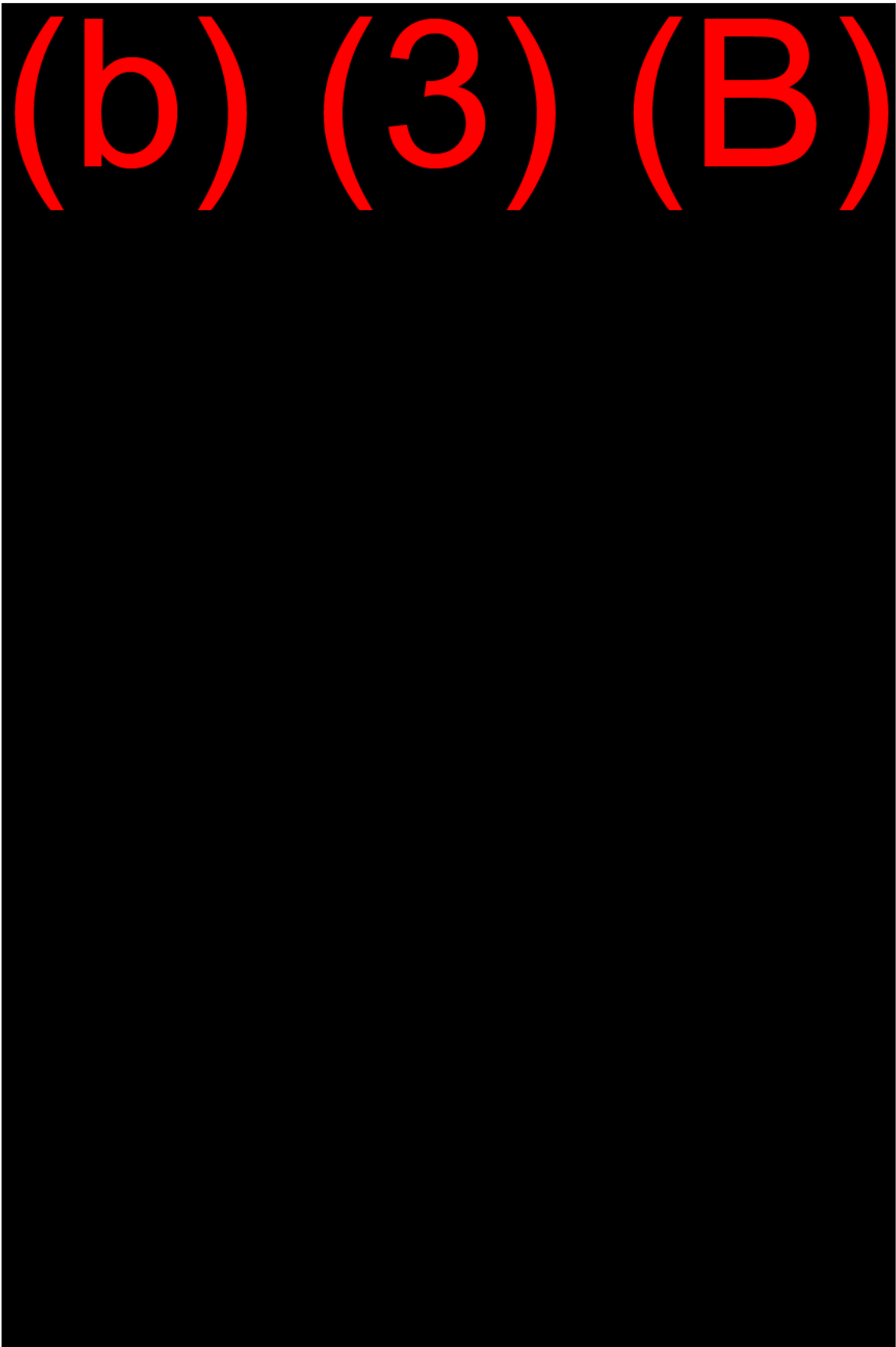
ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

ENERGY CONTROL PROCEDURE (ECP) FORM

Energy Control Procedure No. <u>DDJP5</u> Lockbox No. <u>2</u>							Page <u>1</u> of <u>1</u>	
							Date: _____	
Location and WAF Number			Red Hill		Job Lock Key Custodian (Maintenance Controller) (b) (6)			
Equipment ID/ Description			JP-5 Header and Laterals		Change			
					From	To	Date/Time	
Job Description			Lo/To (flowpath only) for JP5 Header Draining		Change			
					From	To	Date/Time	
Lead Authorized Employee			(b) (6)					
Authorized Employee must notify all Affected Personnel of equipment/ vessel isolation. Document isolation steps below and perform LOCK, TAG, and TRY.								
LOTO Isolation Date	Valve Number	Lock and/or tag Number and Blind Number	Isolation Position (Open or Closed)	LOTO Installed By	Lock Tag Try (Y/N)	LOTO Removal Date	LOTO Removed By	Comments
9/15/22	(b) (3) (B)	JP5-B1	Closed	RTB	Y			
9/15/22	(b) (3) (B)	JP5-B2	Closed	RTB	Y			
9/12/22	(b) (3) (B)	JP5-1	Closed	RTB	Y			
9/13/22	(b) (3) (B)	JP5-2	Closed	RTB	Y			
9/13/22	(b) (3) (B)	JP5-3	Closed	RTB	Y			
9/13/22	(b) (3) (B)	JP5-4	Closed	RTB	Y			
9/12/22	(b) (3) (B)	JP5-5	Closed	RTB	Y			
9/12/22	(b) (3) (B)	JP5-6	Closed	RTB	Y			
9/12/22	(b) (3) (B)	JP5-7	Closed	RTB	Y			
9/12/22	(b) (3) (B)	JP5-8	Closed	RTB	Y			
9/12/22	(b) (3) (B)	JP5-9	Closed	RTB	Y			
9/12/22	(b) (3) (B)	JP5-10	Closed	RTB	Y			
9/12/22	(b) (3) (B)	JP5-11	Closed	RTB	Y			
9/12/22	(b) (3) (B)	JP5-12	Closed	RTB	Y			
9/15/22	(b) (3) (B)	JP5-B3	Closed	RTB	Y			
9/16/22	(b) (3) (B)	JP5-B4	Closed	RTB	Y			
9/15/22	(b) (3) (B)	JP5-B5	Closed	RTB	Y			
Prehung	(b) (3) (B)	JP5-13	Closed					Fire Valve to be locked close post unpacking
By printing my name in the box below, I signify that all stored energy is dissipated. All isolation points are in the proper position and my personal lock has been attached to either an individual lockout tagout device or group lockbox.								
Print Authorized Employee Name and Company					Write on the back if necessary			
1					4			
2					5			
3					6			

(b) (3) (B)





Authored By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to YON^{(b) (6)} via Gravity	Doc #: U003 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

Reviewed By: (b) (6) – (b) (4) Engineer

Reviewed By: (b) (6) – Operations Supervisor

Reviewed By: (b) (6) – Fuels Operations Director

Approved By: LCDR (b) (6) – Deputy Fuels Director

(b) (6) Digitally signed by
(b) (6)
 Date: 2022.09.27 21:52:41 -10'00'

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to YON (b) (3) (6) via Gravity	Doc #: U003 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

EVOLUTION START DATE: _____

CONTROL ROOM INITIALS (MASTER COPY): _____

FIELD COPY INITIALS: _____

EVOLUTION ORDER

1. This Operations Order ONLY details **Phase 3, Gravity Drain**, of the ‘JP-5 Unpacking Process’
2. DFSP JBPHH conducts unpacking operations from the Red Hill JP-5 Pipeline to YON (b) (3) (6) to vacate JP-5 pipeline of ~194,156 gallons.

Issue Source	Receipt Tank	Volume	Deputy Director of Fuels Initial
RH JP-5 Pipeline	YON (b) (3) (6)		

WARNING: In the case of an emergency, take the following steps:

1. Take immediate action to shut the nearest valve to prevent the movement of fuel;
2. Notify the CRO;
3. Reference the ICP plan for further instruction.

REFERENCES

1. Operations, Maintenance, Environmental, and Safety Plan (OMES), Dated August 2018
2. MIL – STD 3004-1: Department of Defense Standard Practice Quality Assurance for Bulk Fuels, Lubricants and Related Products
3. Integrated Contingency Plan (ICP), Date August 2018

ENCLOSURES

- Enclosure (1): Flow Diagram
Enclosure (2): Terminal Pier PIC Checklist

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to YON (b) (3) (B) via Gravity	Doc #: U003 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

OPERATIONAL ORDER START

CAUTION: If a deviation or modification is needed in this order, the CRO must obtain proper approval for the change following the Change Request Form at the rear of this document.

NOTE: A valve baseline must be conducted prior to the execution of this Operations Order.

SECTION 1 – MUSTER

DATE TIME INITIALS

____ / ____ / ____ 10. **SoW:** Conduct a Muster to ensure all assigned personnel are in attendance for the brief

Zone Assignment	Personnel Assignments	Name	Call Sign
Control Room	SoW		
Control Room	CRO		
Control Room	Assistant CRO		
Lower Tank Gallery	Work Supervisor RH		
Hotel Pier	Work Supervisor PH		
HPV TK (b) (3) (B)	Work Lead RH		
Zone 1	Rover #1 Lower Tank Gallery		
Zone 2	Rover #2 TK (b) (3) (B)		
Zone 3	Rover #3 Lower Tank Gallery		
Zone 4	Rover #4 Lower Tank Gallery (b) (3) (B)		
Zone 5	Rover #5 (b) (3) (B)		
Zone 6	Rover #6 (b) (3) (B)		
Zone 7	Rover #7 (b) (3) (B)		
Zone 8	Rover #8 (b) (3) (B)		
Zone 9	Rover #9 (b) (3) (B) ^P		
Zone 10	Rover #10 (b) (3) (B) ^P		
Zone 11	Rover #11 Pipe Rack		
Zone 12	Rover #12 (b) (3) (B)		
Zone 13	Rover #13 Hotel Pier		
Zone 14	Rover #14 Hotel Pier		
Hotel Pier	Pier PIC		
Hotel Pier	Assistant Pier PIC		
Hotel Pier	Vac Truck Operator		
YON (b) (3) (B)	YON PIC		
YON (b) (3) (B)	Assistant YON PIC		
YON (b) (3) (B)	YON Assistant		
RH Skillet TK (b) (3) (B)	RH Independent Validator		
Hotel Pier	PH Independent Validator		

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to YON (b) (6) via Gravity	Doc #: U003 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 2 – PRE-BRIEF

DATE TIME INITIALS

____ / ____ / ____ 20. **SoW:** Confirm the following procedures are complete IOT conduct Phase 3: JP-5 Pipeline Drain Down:

- Phase 2: Maintenance Order/Pressure Equalization has been completed and operating conditions are acceptable to proceed
- Baseline Operations Orders is completed and validated accurate (Doc# 003A & 003B)

____ / ____ / ____ 30. **WS:** Confirm and assign required personnel needed for this Operations Order

____ / ____ / ____ 40. **CRO:** Verify the following procedures have been completed

- Valve baseline matches current AFHE configuration
- SDS and ICP are on-hand and updated
- Ullage in YON (b) (6) is greater than ~238,128 gallons for transfer (110% of transfer amount)

Receiving Tank	Start Level (Ft/In)	Start Ullage (Gal)	CRO Initials	Assistant CRO Initials	Time
YON (b) (6)					

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to YON^{(b) (3) (B)} via Gravity	Doc #: U003 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

____ / ____ / ____ 50. **YON PIC:** Prepare/provide the following required paperwork:

- Operation Orders
- C700 Operations Notification Flow Chart
- Barge and Ullage Report

____ / ____ / ____ 60. **CRO:** Prepare/provide the following required paperwork:

- Tank Inventory Control Daily Levels
- Transfer Record

SECTION 3 – WATCH TEAM BRIEF

DATE TIME INITIALS

____ / ____ / ____ 70. **SoW:** Lead the brief in the (b) (3) (B) Control Room to include:

- Operational Procedures/Priorities
- Operational Expectations
- Integrated Contingency Plan

____ / ____ / ____ 80. **SoW:** Step through operations order and address any questions

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to YON^{(b) (3) (6)} via Gravity	Doc #: U003 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 4 – PRE-OPERATION CHECK

DATE TIME INITIALS

____ / ____ / ____ 90. **YON PIC:** Ensure all procedures are completed prior to executing JP-5 Drain Down Operations:

- Report Time of YON Crew _____
- Thermal Baseline Verified

____ / ____ / ____ 100. **Terminal PIC:** Ensure all procedures are completed prior to executing JP-5 Drain Down Operations:

- Terminal Pier PIC Checklist
- Verify Fuel Riser Utilized _____
- Verify Amount being Transferred _____

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to YON (b) (3) (B) via Gravity	Doc #: U003 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 5 – VALVE ALIGNMENT

DATE TIME INITIALS

- ____ / ____ / ____ 110. **All Assigned Personnel:** Report to designated zones and conduct radio communications check with CRO
- ____ / ____ / ____ 120. **YON PIC:** Direct Hose Movement and Connection:
- Transfer Hose from YON to Hotel Pier
 - Connect and secure hose to riser _____
 - Line-up YON for receiving, keeping header valve **CLOSED**
 - Inform CRO that connection has been completed
- ____ / ____ / ____ 130. **CRO:** Request permission to start the JP-5 Drain Down Valve Alignment:
- CRO to SoW**
 - SoW to Fuels Director**
 - Fuels Director to Command Officer**
- ____ / ____ / ____ 140. **RH PIC:** Ensure pressure on compound gauge at HPV is maintained between (b) (3) (B) and (b) (3) (B) psi throughout the operation.
- ____ / ____ / ____ 150. **CRO:** Direct RH WL to **OPEN** (b) (3) (B)

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to YON^{(b) (3) (B)} via Gravity	Doc #: U003 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

- ____ / ____ / ____ 160. **CRO:** Use the table below to sequentially **OPEN** and validate the valves using the “point and call” system
- ____ / ____ / ____ 170. **Rov/IV:** Validate valve alignment in the field and report valve position per CRO point and call request

Sequential Number	Valves Verified OPEN	Location	CRO Initials	Assistant CRO Initials	Time Rover	Time Independent Validator
1	(b) (3) (B)					
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
(*) Denotes manual valves						

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to YON^{(b) (3) (B)} via Gravity	Doc #: U003 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

____ / ____ / ____ 180. **YON PIC and IV:** Use the table below, align header, issue and meter valves and report to **CRO**

Sequential Number	Valves Verified OPEN	Location	CRO Initials	Assistant CRO Initials	Time Rover	Time Independent Validator
1	(b) (3) (B)					
2						
3						
(*) Denotes manual valves.						

____ / ____ / ____ 190. **Terminal PIC:** Ensure Pier is ready to “Receive” JP-5 for Drain Down Operations:

- Vacuum Truck is positioned at Hotel Pier
- Spill Kits and Fire Extinguisher Available

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to YON^{(b)(3)(B)} via Gravity	Doc #: U003 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 5 – DRAINING

DATE TIME INITIALS

___ / ___ / ___ 200. **CRO:** Request permission to start the JP-5 Drain Down:

- CRO to SoW**
- SoW to Fuels Director**
- Fuels Director to Command Officer**

___ / ___ / ___ 210. **CRO:** Complete the following procedures prior to pressurizing the hose:

- Verify valve alignment
- Verify hose connection
- Verify YON header valve is **CLOSED**

___ / ___ / ___ 220. **CRO:** Slowly **OPEN** (b) (3) (B) and (b) (3) (B)

NOTE: Valves (b) (3) (B) and (b) (3) (B) are Throttle-valves. Throttle-valves DO NOT isolate fuel flow.

___ / ___ / ___ 230. **Terminal PIC:** Slowly **OPEN** Fuel Riser/Station _____ / _____

___ / ___ / ___ 240. **CRO:** Inform Control Tower that YON loading will begin.

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH JP-5 Unpacking to YON (b) (3) (B) via Gravity	Doc #: U003 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

____ / ____ / ____ 250. **All Personnel:** Monitor zones for leaks, sheen, and abnormal conditions.

Zone Assignment	Personnel Assignments	Call Sign	Report Time
Control Room	SoW		
Control Room	CRO		
Control Room	Assistant CRO		
Lower Tank Gallery	Work Supervisor RH		
Hotel Pier	Work Supervisor PH		
HPV TK (b) (3) (B)	Work Lead RH		
Zone 1	Rover #1 Lower Tank Gallery		
Zone 2	Rover #2 TK (b) (3) (B)		
Zone 3	Rover #3 Lower Tank Gallery		
Zone 4	Rover #4 Lower Tank Gallery (b) (3) (B)		
Zone 5	Rover #5 (b) (3) (B)		
Zone 6	Rover #6 (b) (3) (B)		
Zone 7	Rover #7 (b) (3) (B)		
Zone 8	Rover #8 (b) (3) (B)		
Zone 9	Rover #9 (b) (3) (B) ^P		
Zone 10	Rover #10 (b) (3) (B) ^P		
Zone 11	Rover #11 Pipe Rack		
Zone 12	Rover #12 (b) (3) (B)		
Zone 13	Rover #13 Hotel Pier		
Hotel Pier	Pier PIC		
Hotel Pier	Assistant Pier PIC		
Hotel Pier	Vac Truck Operator		
YON (b) (3) (B)	YON PIC		

____ / ____ / ____ 260. **YON PIC:** After zone checks have been completed, slowly **OPEN** YON header valve and inform CRO start of transfer

Sequential Number	Valves Verified OPEN	Location	CRO Initials	Assistant CRO Initials	Time Rover	Time Independent Validator
1	(b) (3) (B)					

____ / ____ / ____ 270. **CRO/RH WL:** Monitor pressure on compound gauge at HPV, throttling (b) (3) (B) as needed to reduce vacuum

____ / ____ / ____ 280. **RH WL:** After ~10,000 gal has drained, **OPEN** (b) (3) (B) and (b) (3) (B)

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to YON^{(b) (3) (6)} via Gravity	Doc #: U003 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

____ / ____ / ____ 290. **YON PIC:** Report to **CRO** and record YON levels hourly

Hour # (Time)	Tank Level	Current Amount(Gals)	CRO Initials	Assistant CRO Initials
.5 ()				
1 ()				
1.5 ()				
2 ()				
2.5 ()				
3 ()				
3.5 ()				
4 ()				
4.5 ()				
5 ()				

____ / ____ / ____ 300. **YON PIC:** Monitor **Flowrate** during the operation. When flow slows, inform **CRO** and prepare to stop operation.

____ / ____ / ____ 310. **CRO/YON PIC:** Once JP-5 Operation head pressure has decreased and flow has ceased, **YON PIC** will **CLOSE** the **Hotel riser** ____ and **YON header valve**.

____ / ____ / ____ 320. **CRO:** Inform Control Tower that YON loading has ended

ATTENTION: Once printed for field use, the document becomes a **NON-CONTROL COPY**. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH JP-5 Unpacking to YON^{(b) (3) (B)} via Gravity	Doc #: U003 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 6 – RETURN TO BASELINE

DATE TIME INITIALS

___ / ___ / ___ 330. **CRO:** Use the table below to sequentially **CLOSE** and validate the valves using the “point and call” system

___ / ___ / ___ 340. **Rov/IV:** Validate valve alignment in the field and report valve position per **CRO** point and call request

Sequential Number	Valves Verified CLOSE	Location	CRO Initials	Assistant CRO Initials	Time Rover	Time Independent Validator
1	(b) (3) (B)					
2						
1						
2						
3						
4						
5						
6						
7						
8						
9						

(*) Denotes manual valves.
(**) Throttle-valve.

All JP-5 Sectional Valves will remain **OPEN** from (b) (3) (B) to Red Hill Lower Tank Gallery

NOTE: Throttle-valves DO NOT isolate fuel flow.

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authored By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH JP-5 Unpacking to YON^{(b) (3) (B)} via Gravity	Doc #: U003 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

____ / ____ / ____ 350. **YON PIC & IV:** Use the table below to ensure YON Valves are **CLOSED** and **OPEN** IOT return YON^{(b) (3) (B)} Valve baseline with thermal exception

Sequential Number	Valves Verified CLOSE	Location	CRO Initials	Assistant CRO Initials	Time Rover	Time Independent Validator
1	(b) (3) (B)					
2						
3						

(*) Denotes manual valves.

____ / ____ / ____ 360. **RH PIC/WL:** Report the following procedures have been completed and report to CRO:

- (b) (3) (B) **CLOSE**
- (b) (3) (B) and (b) (3) (B) **CLOSE**

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to YON (b) (3) (B) via Gravity	Doc #: U003 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

____ / ____ / ____ 370. **All assigned personnel: Report zone condition to CRO**

Zone Assignment	Personnel Assignments	Report Time	Status (Notes)
Control Room	SoW		
Control Room	CRO		
Control Room	Assistant CRO		
Lower Tank Gallery	Work Supervisor RH		
Hotel Pier	Work Supervisor PH		
HPV TK (b) (3) (B)	Work Lead RH		
Zone 1	Rover #1 Lower Tank Gallery		
Zone 2	Rover #2 TK (b) (3) (B)		
Zone 3	Rover #3 Lower Tank Gallery		
Zone 4	Rover #4 Lower Tank Gallery (b) (3) (B)		
Zone 5	Rover #5 (b) (3) (B)		
Zone 6	Rover #6 (b) (3) (B)		
Zone 7	Rover #7 (b) (3) (B)		
Zone 8	Rover #8 (b) (3) (B)		
Zone 9	Rover #9 (b) (3) (B) ^P		
Zone 10	Rover #10 (b) (3) (B)		
Zone 11	Rover #11 Pipe Rack		
Zone 12	Rover #12 (b) (3) (B)		
Zone 13	Rover #13 Hotel Pier		
Hotel Pier	Pier PIC		
Hotel Pier	Assistant Pier PIC		
Hotel Pier	Vac Truck Operator		
YON (b) (3) (B)	YON PIC		

____ / ____ / ____ 380. **CRO: Ensure the follow procedures are completed and announce when complete**

- JP-5 path utilized is back to baseline configuration

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to YON (b) (6) via Gravity	Doc #: U003 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 7 – CLOSEOUT

DATE TIME INITIALS

____ / ____ / ____ 390. **YON PIC:** Manually gauge receiving tank ~ one (1) hour after the final secure time of the JP-5 operation and record/report final amount issued to CRO

Receiving Tank	Finish Level (Ft/In)	Finish Level (Gal)	CRO Initials	Assistant CRO Initials	Time
YON (b) (6)					

____ / ____ / ____ 400. **CROs:** Shall finalize and the following documents are completed and turned in at the main building, Pearl Harbor: B1757 at the end of the day:

- FLC Fuel Form 703-18, Transfer Record
- FLC Fuel Form 703-22, Tank Inventory Control Daily Levels
- FLC Fuel Form 703-24, Running Gauge Record

____ / ____ / ____ 410. **SoW:** verify the following the follow procedures have been completed:

- All procedures completed IAW OPORD
- Documentation is completed
- All information/signature blocks on operation order are filled in

____ / ____ / ____ 420. **SoW:** Notify Operational personnel that the operation is complete

____ / ____ / ____ 430. **SoW:** Notify Fuels Director operation is complete

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to YON^{(b) (3) (6)} via Gravity	Doc #: U003 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

Operations Order Closeout

Select the appropriate statement below

Statement or Order	CRO Initial
This order was executed as written without any changes.	
This order was executed with changes as marked and approved on the order	

NOTE: If the order required approved modification, the CRO to sign, date and forward for final approval and archiving.

NOTE: The Supervisory Distributive Facilities Specialist (SDFS) will pick all Operations Orders up at the end of the day at the Control Room.

_____ CRO _____ Date

- The CRO to forward this procedure to the Supervisory Distributive Facilities Specialist

_____ Supervisory Distributive Facilities Specialist (SDFS) _____ Date

- The SDFS to forward this order to the Deputy Director of Fuels

_____ Deputy Director of Fuels _____ Date


ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authored By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to YON (b) (6) via Gravity	Doc #: U003 Rev No. 2
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

REVISION HISTORY

Revision Number	Description of Change	Technical Basis	Requested By	Approved By	Revision Date	Effective Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U003A
	Operations Order JP-5 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	1 of 9

Reviewed By: (b) (6) – (b) (4) Engineer


Reviewed By: (b) (6) – Operations Supervisor

Reviewed By: (b) (6) – Fuels Operations Director

Approved By: (b) (6) – Deputy Fuels Director

(b) (6) Digitally signed by
(b) (6)
Date: 2022.09.27 21:53:14 -10'00'

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U003A
	Operations Order JP-5 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	2 of 9

EVOLUTION START DATE: _____

CONTROL ROOM INITIALS (MASTER COPY): _____

FIELD COPY INITIALS: _____

EVOLUTION ORDER

1. DFSP JBPHH conducts JP-5 unpacking operations from Red Hill to Pearl Harbor to provide drain down of the JP-5 Pipeline from Lower Tank Gallery Area to (b) (3) (B) with a fuel estimation of 194,156 gallons

NOTE: This Operations Order will provide the information to safely perform the following Operations Order

BASELINE – VALVE ALIGNMENT VERIFICATION

DATE TIME INITIALS

____ / ____ / ____ 10.

A terminal valve verification must be conducted prior to execution of any operation by following the procedures

- CRO validates motor operated valves (MOVs)
 - Comparison by AFHE in the baseline position to current position, by writing in the “current position” of the valve with the time of validation
- Rover validates manual valves
 - Comparison by in the field verification of the baseline position to current position, by writing in the “current position” of the valve with the time of validation

NOTE: Validation of valves will be verified by comparing baseline position to current position, while conducting valve validation inspection, if a valve is **NOT** in the **BASELINE** position, inform **CRO** immediately and bring to attention of **SoW** in morning briefing

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.



JBPHH Fleet Logistics Center
Operations Order JP-5 Pipeline Drain
Down Baseline OPORD
(Date OCT22)

Document No:	U003A
Revision No:	1.0
Page No:	3 of 9

JP-5 Valve Baseline from RH to Hotel Pier					
Sequential Number	Valves Verified	Location	Baseline Position	Current Position	Time
1	(b) (3) (B)		NORMALLY CLOSED		
2			NORMALLY CLOSED		
3			NORMALLY CLOSED		
4			NORMALLY CLOSED		
5			NORMALLY CLOSED		
6			NORMALLY CLOSED		
7			NORMALLY CLOSED		
8			NORMALLY CLOSED		
9			NORMALLY CLOSED		
10			NORMALLY CLOSED		
11			NORMALLY CLOSED		
12			NORMALLY CLOSED		
13			NORMALLY OPEN		
14			NORMALLY CLOSED		
15			NORMALLY CLOSED		
16			NORMALLY CLOSED		
17			NORMALLY CLOSED		
18			NORMALLY CLOSED		
19			NORMALLY CLOSED		
20			NORMALLY CLOSED		
21			NORMALLY CLOSED		
22			NORMALLY CLOSED		

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.



JBPHH Fleet Logistics Center
Operations Order JP-5 Pipeline Drain
Down Baseline OPORD
(Date OCT22)

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23	(b) (3) (B)	NORMALLY OPEN		
24		NORMALLY OPEN		
25		NORMALLY OPEN		
26		NORMALLY OPEN		
27		NORMALLY CLOSED		
28		NORMALLY CLOSED		
29		NORMALLY CLOSED		
30		NORMALLY CLOSED		
31		NORMALLY OPEN		
32		NORMALLY OPEN		
33		NORMALLY CLOSED		
34		NORMALLY CLOSED		
35		NORMALLY CLOSED		
36		NORMALLY CLOSED		
37		NORMALLY CLOSED		
38		NORMALLY CLOSED		
39		NORMALLY CLOSED		
40		NORMALLY CLOSED		
41		NORMALLY CLOSED		
42		NORMALLY CLOSED		
43		NORMALLY CLOSED		
44		NORMALLY CLOSED		
45		NORMALLY CLOSED		
46		NORMALLY CLOSED		

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.



JBPHH Fleet Logistics Center
Operations Order JP-5 Pipeline Drain
Down Baseline OPORD
(Date OCT22)

Document No:	U003A
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47	(b) (3) (B)	NORMALLY OPEN		
48		NORMALLY CLOSED		
49		NORMALLY CLOSED		
50		NORMALLY CLOSED		
51		NORMALLY CLOSED		
52		NORMALLY CLOSED		
53		NORMALLY OPEN		
54		NORMALLY OPEN		
55		NORMALLY CLOSED		
56		NORMALLY CLOSED		
57		NORMALLY OPEN		
58		NORMALLY CLOSED		
59		NORMALLY CLOSED		
60		NORMALLY CLOSED		
61		NORMALLY CLOSED		
62		NORMALLY CLOSED		
63		NORMALLY CLOSED		
64		NORMALLY CLOSED		
65		NORMALLY CLOSED		
66		NORMALLY CLOSED		
67		NORMALLY CLOSED		
68	NORMALLY CLOSED			
69	NORMALLY CLOSED			
70	NORMALLY CLOSED			
71	NORMALLY CLOSED			

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.




JBPHH Fleet Logistics Center
Operations Order JP-5 Pipeline Drain
Down Baseline OPORD
(Date OCT22)

Document No:	U003A
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72	(b) (3) (B)	NORMALLY CLOSED		
73		NORMALLY CLOSED		
74		NORMALLY CLOSED		
75		NORMALLY CLOSED		
76		NORMALLY CLOSED		
77		NORMALLY CLOSED		
78		NORMALLY CLOSED		
79		NORMALLY CLOSED		
80		NORMALLY CLOSED		
81		NORMALLY CLOSED		
82		NORMALLY CLOSED		
<p>(*) – Denotes Manual Valve</p> <p>All (b) (3) (B) Valves are OPEN for thermal expansion</p>				

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U003A
	Operations Order JP-5 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	7 of 9

- ____/____/____ 20. After completion of the Baseline Operations Order (OPORD):
- CRO and Rover:** Print, sign and date at the bottom of the OPORD validates motor operated valves (MOVs)
 - CRO:** Ensure Baseline OPORD is provided to SoW for validation at the Watch Team Brief

Validation Baseline Inspection Completed by:

Rover #1 (Print, Sign, Date)

CRO (Print, Sign, Date)

- ____/____/____ 30. **SoW:** Validate Baseline configuration OPORD and verify terminal is ready to conduct fueling operation

SoW (Print, Sign, Date)

NOTE: If the Operations Order was completed with NO issues and NO changes, file should be placed in the completed Operations Order box.

NOTE: If the Operations Order was completed WITH issues or WITH changes, ensure the appropriate process was followed and signed off on for the change or issue. File this modified copy in the Operations Order modified box

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U003A
	Operations Order JP-5 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	8 of 9

Operations Order Closeout:

Select the appropriate statement below

Statement or Order	CRO Initial
This order was executed as written without any changes.	
This order was executed with changes as marked and approved on the order	

NOTE: If the order required approved modification, the CRO to sign, date and forward for final approval and archiving.

NOTE: The Supervisory Distribution Facilities Specialist (SDFS) will pick all Operations Orders up at the end of the day at the Control Room.

_____ CRO _____ Date


- The CRO to forward this procedure to the Supervisory Distribution Facilities Specialist

_____ Supervisory Distribution Facilities Specialist (SDFS) _____ Date

- The SDFS to forward this order to the Deputy Director of Fuels

_____ Deputy Director of Fuels _____ Date


ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center Operations Order JP-5 Pipeline Drain Down Baseline OPORD (Date OCT22)	Document No:	U003A
		Revision No:	1.0
		Page No:	9 of 9

REVISION HISTORY

Revision Number	Description of Change	Technical Basis	Requested By	Approved By	Revision Date	Effective Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center Operations Order YON (b) (6) JP-5 Pipeline Drain Down Baseline OPORD (Date OCT22)	Document No:	U003B
		Revision No:	1.0
		Page No:	1 of 7

Reviewed By: (b) (6) – (b) (4) Engineer


Reviewed By: (b) (6) – Operations Supervisor

Reviewed By: (b) (6) – Fuels Operations Director

Approved By: LCDR (b) (6) – Deputy Fuels Director

(b) (6) Digitally signed by (b) (6)
Date: 2022.09.27 21:55:41 -1000

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order..

	JBPHH Fleet Logistics Center	Document No:	U003B
	Operations Order YON (b) (3) (B) JP-5 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	2 of 7

EVOLUTION START DATE: _____

CONTROL ROOM INITIALS (MASTER COPY): _____

FIELD COPY INITIALS: _____

EVOLUTION ORDER

1. DFSP JBPHH conducts JP-5 unpacking operations from Red Hill to Pearl Harbor to provide drain down of the JP-5 Pipeline from Lower Tank Gallery Area to (b) (3) (B) with a fuel estimation of 194,156 gallons

NOTE: This Operations Order will provide the information to safely perform the following Operations Order

BASELINE – VALVE ALIGNMENT VERIFICATION

DATE TIME INITIALS

____ / ____ / ____ 10.

A terminal valve verification must be conducted prior to execution of any operation by following the procedures

- YON PIC & YON 2nd PIC (IV) validates manual valves
 - Comparison by in the field verification of the baseline position to current position, by writing in the “current position” of the valve with the time of validation

NOTE: Validation of valves will be verified by comparing baseline position to current position, while conducting valve validation inspection, if a valve is **NOT** in the **BASELINE** position, inform **CRO** immediately and bring to attention of **SoW** in morning briefing

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order..




JBPHH Fleet Logistics Center
Operations Order YON (b) (3) (B) JP-5 Pipeline
Drain Down Baseline OPORD
(Date OCT22)

Document No:	U003B
Revision No:	1.0
Page No:	3 of 7

YON (b) (3) (B) Valve Baseline with Thermal Exception					
Sequential Number	Valves Verified	Location	Baseline Position	Current Position	Time
1	(b) (3) (B)		NORMALLY CLOSED		/
2			NORMALLY CLOSED		/
3			NORMALLY CLOSED		/
4			NORMALLY CLOSED		/
5			NORMALLY CLOSED		/
6			NORMALLY CLOSED		/
7			NORMALLY OPEN		/
8			NORMALLY CLOSED		/
9			NORMALLY CLOSED		/
10			NORMALLY CLOSED		/
11			NORMALLY CLOSED		/
12			NORMALLY OPEN		/
13			NORMALLY CLOSED		/
14			NORMALLY CLOSED		/
15			NORMALLY OPEN		/
16			NORMALLY OPEN		/
17			NORMALLY OPEN		/
18			NORMALLY CLOSED		/

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order..


	JBPHH Fleet Logistics Center	Document No:	U003B
	Operations Order YON (b) (3) (B) JP-5 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	4 of 7

19	(b) (3) (B)	NORMALLY OPEN		/
20		NORMALLY CLOSED		/
(*) – Denotes Manual Valve All six (6) Valves are OPEN for thermal expansion				

- Verify all (b) (3) (B) void/rake hatches (depicted on Enclosure (1)) are CLOSED
- Verify and report to CRO the following (b) (3) (B) tank hatches (depicted on Enclosure (1)) are CLOSED

YON (b) (3) (B) Valve Thermal Baseline					
Sequential Number	Hatch Verified	Location	Baseline Position	Current Position	Time
1	(b) (3) (B)		NORMALLY CLOSED		/
2			NORMALLY CLOSED		/
3			NORMALLY CLOSED		/
4			NORMALLY CLOSED		/
5			NORMALLY CLOSED		/
6			NORMALLY CLOSED		/
7			NORMALLY CLOSED		/
8			NORMALLY CLOSED		/
(*) – Denotes Manual Valve					

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order..

	JBPHH Fleet Logistics Center	Document No:	U003B
	Operations Order YON ^{(P)(3)(B)} JP-5 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	5 of 7

____/____/____ 20. After completion of the Baseline Operations Order (OPORD):

- YON PIC & YON 2nd PIC (IV) Print, sign and date at the bottom of the OPORD

Validation Baseline Inspection Completed by:

YON PIC (Print, Sign, Date)

YON 2ND PIC (Print, Sign, Date)


____/____/____ 30. **SoW:** Validate Baseline configuration OPORD and verify terminal is ready to conduct fueling operation

SoW (Print, Sign, Date)

NOTE: If the Operations Order was completed with NO issues and NO changes, file should be placed in the completed Operations Order box.

NOTE: If the Operations Order was completed WITH issues or WITH changes, ensure the appropriate process was followed and signed off on for the change or issue. File this modified copy in the Operations Order modified box

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order..

	JBPHH Fleet Logistics Center Operations Order YON [REDACTED] JP-5 Pipeline Drain Down Baseline OPORD (Date OCT22)	Document No:	U003B
		Revision No:	1.0
		Page No:	6 of 7

Operations Order Closeout:

Select the appropriate statement below

Statement or Order	CRO Initial
This order was executed as written without any changes.	
This order was executed with changes as marked and approved on the order	

NOTE: If the order required approved modification, the CRO to sign, date and forward for final approval and archiving.

NOTE: The Supervisory Distribution Facilities Specialist (SDFS) will pick all Operations Orders up at the end of the day at the Control Room.

_____ CRO _____ Date


- The CRO to forward this procedure to the Supervisory Distribution Facilities Specialist

_____ Supervisory Distribution Facilities Specialist (SDFS) _____ Date

- The SDFS to forward this order to the Deputy Director of Fuels

_____ Deputy Director of Fuels _____ Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order..

	JBPHH Fleet Logistics Center Operations Order YON [REDACTED] JP-5 Pipeline Drain Down Baseline OPORD (Date OCT22)	Document No:	U003B
		Revision No:	1.0
		Page No:	7 of 7

REVISION HISTORY

Revision Number	Description of Change	Technical Basis	Requested By	Approved By	Revision Date	Effective Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order..

(b) (3) (B)



(b) (3) (B)



(b) (3) (B)

Authored By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to (b) (6) via AODD Pump	Doc #: U004 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

Reviewed By: (b) (6) – (b) (4) Engineer

Reviewed By: (b) (6) – Operations Supervisor

Reviewed By: (b) (6) – Fuels Operations Director

Approved By: LCDR (b) (6) – Deputy Fuels Director


 Digitally signed by
 (b) (6)
 Date: 2022.09.27 21:54:18 -10'00'

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U004 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		

EVOLUTION START DATE: _____

CONTROL ROOM INITIALS (MASTER COPY): _____

FIELD COPY INITIALS: _____

EVOLUTION ORDER

1. This Operations Order ONLY details procedures for **Phase 4, Suction Unpack**, of the ‘JP-5 Unpacking Process.’
2. DFSP JBPHH conducts suction operations from the Red Hill JP-5 Pipeline to Tank (b) (3) (B) to vacate JP-5 pipeline of ~**22,324 gallons** remaining to empty pipeline to **(b) (3) (B)**.

Issue Source	Receipt Tank	Volume/Quantity (Gals)	Deputy Director of Fuels Initial
RH JP-5 Pipeline	(b) (3) (B)		

WARNING: In the case of an emergency, take the following steps:

- 1. Take immediate action to shut the nearest valve to prevent the movement of fuel;**
- 2. Notify the CRO;**
- 3. Reference the ICP plan for further instruction.**

REFERENCES

1. Operations, Maintenance, Environmental, and Safety Plan (OMES), Dated August 2018
2. MIL – STD 3004-1: Department of Defense Standard Practice Quality Assurance for Bulk Fuels, Lubricants and Related Products
3. Integrated Contingency Plan (ICP), Date August 2018

ENCLOSURES

Enclosure (1): Flow Diagram

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U004 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		

OPERATIONS ORDER START

CAUTION: If a deviation or modification is needed in this order, the CRO must obtain proper approval for the change following the Change Request Form at the rear of this document.

NOTE: A valve baseline must be conducted prior to the execution of this Operations Order.

SECTION 1 – MUSTER

DATE TIME INITIALS

____ / ____ / ____ 10.

SoW: Conduct a Muster to ensure all assigned personnel are in attendance for the upcoming brief.

Zone Assignment	Personnel Assignments	Name(s)	Call Sign
Control Room	SoW		
Control Room	CRO		
Control Room	Assistant CRO		
(b) (3) (B) and (b) (3) (B)	Work Supervisor (b) (3) (B) (WS)		
RH HPV (b) (3) (B)	Work Lead RH (RH WL)		
(b) (3) (B) and (b) (3) (B)	Work Lead PH (PH WL)		
(b) (3) (B) and (b) (3) (B)	Pump Operator (PO)		
(b) (3) (B) and (b) (3) (B)	Assistant Pump Operator		
Zone 1	Rover #1 Lower Tank Gallery		
Zone 2	Rover #2 RH HPV (b) (3) (B)		
Zone 3	Rover #3 (b) (3) (B)		
Zone 4	Rover #4 (b) (3) (B)		
Zone 5	Rover #5 (b) (3) (B)		
Zone 6	Rover #6 (b) (3) (B)		
Zone 7	Rover #7 (b) (3) (B) ^P		
Zone 8	Rover #8 (b) (3) (B)		
Zone 9	Rover #9 TK (b) (3) (B)		
RH HPV (b) (3) (B)	Independent Validator RH		
(b) (3) (B)	Independent Validator PH		
(b) (3) (B) ^P	Independent Validator PH		

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Authorized By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH JP-5 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U004 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		

SECTION 2 – PRE-BRIEF

DATE TIME INITIALS

- ___/___/___ 20. **SoW:** Confirm Phase 3, Drain Down Operations Order has been completed and operating conditions are acceptable to proceed.
- ___/___/___ 30. **WS/WL:** Confirm and assign required personnel needed for this Operations Order.
- ___/___/___ 40. **CRO:** Verify following AFHE readings:
- Valve baseline matches current AFHE configuration
 - SDS and ICP all on-hand and updated
 - Ullage in receiving tank (b) (3) (B) is greater than ~24,556 gallons for transfer. (110% of transfer amount)

Asset Location	Start Level (Ft/In)	Start Ullage (Gal)	CRO Initials	Assistant CRO Initials	Time
(b) (3) (B)					

HCK Tank	High Op Limit Level (Ft/In)	High Op Limit Level (Gal)
TK (b) (3) (B)	(b) (3) (B)	(b) (3) (B)

NOTE: If there is a discrepancy from the AFHE to the last manual gauge that is +/- 3/16", inform Fuel Operations Supervisor before proceeding.

- ___/___/___ 50. (b) (3) (B) **WS:** Have the following required paperwork on hand:
- Operation Order
 - C700 Operations Notification Flow Chart

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Authored By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to (b) (6) via AODD Pump	Doc #: U004 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 3 – WATCH TEAM BRIEF

DATE TIME INITIALS

____ / ____ / ____ 60. **SoW:** Lead the brief in the 1757 Meeting Room to include:

- Operational Expectations
- Operational Priorities
- Integrated Contingency Plan (ICP), Date August 2018

____ / ____ / ____ 70. **SoW:** Step through operations order and address any questions.

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Authorized By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH JP-5 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U004 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		

SECTION 4 - VALVE ALIGNMENT

DATE TIME INITIALS

____ / ____ / ____ 80.

All Assigned Personnel: Report to their designated zones and conduct radio communications check with CRO

Zone Assignment	Personnel Assignments	Report Time
Control Room	SoW	
Control Room	CRO	
Control Room	Assistant CRO	
(b) (3) (B) and (b) (3) (B) ^P	Work Supervisor (b) (3) (B) ^P	
RH HPV (b) (3) (B)	Work Lead RH	
(b) (3) (B) and (b) (3) (B) ^P	Work Lead PH	
(b) (3) (B) and (b) (3) (B) ^P	Pump Operator	
(b) (3) (B) and (b) (3) (B) ^P	Assistant Pump Operator	
Zone 1	Rover #1 Lower Tank Gallery	
Zone 2	Rover #2 RH HPV (b) (3) (B)	
Zone 3	Rover #3 (b) (3) (B)	
Zone 4	Rover #4 (b) (3) (B)	
Zone 5	Rover #5 (b) (3) (B)	
Zone 6	Rover #6 (b) (3) (B) ^P	
Zone 7	Rover #7 (b) (3) (B)	
Zone 8	Rover #8 (b) (3) (B)	
Zone 9	Rover #9 TK (b) (3) (B)	
RH HPV (b) (3) (B)	Independent Validator RH	
(b) (3) (B)	Independent Validator PH	
(b) (3) (B)	Independent Validator PH	

____ / ____ / ____ 90.

(b) (3) (B) WS: Complete the following procedures and report to the **CRO:**

- Confirm hose inspection and gaskets are ready for instillation
- Inspect Compressor and air lines are in working condition
- Inspect Pump, ensuring that pump is properly secured to prevent movement
- Confirm that compressor and pump are ready for operation

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U004 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		

- ____ / ____ / ____ 100. **RH WL:** Ensure pressure at the HPV is maintained between (b) (3) (B) psi on the compound gauge throughout the operation.
- ____ / ____ / ____ 110. **CRO:** Request RH WL to **OPEN** (b) (3) (B).
- ____ / ____ / ____ 120. **CRO:** Request RH WL to **OPEN** (b) (3) (B) and (b) (3) (B).
- ____ / ____ / ____ 130. **CRO:** Use the table below to sequentially **OPEN** and validate the valves using the “point and call” system.
- ____ / ____ / ____ 140. **Rov/IV:** Validate valve alignment in the field and report valve position per CRO point and call request.

Sequential Number	Valves Verified OPEN	Location	CRO Initials	Assistant CRO Initials	Time
1	(b) (3) (B)				/
2					/
3					/
4					/
5					/
6					/
7					/
8					/
9					/
10					/
11					/

(*) Denotes manual valves.

(**) Throttle-valve.

NOTE: Throttle-valves DO NOT isolate fuel flow.

- ____ / ____ / ____ 150. **CRO:** Use the table below to sequentially **OPEN** and validate the valves using the “point and call” system.
- ____ / ____ / ____ 160. **Rov/IV:** shall sequentially **OPEN** and validate valve alignment in the field and report valve position to CRO.

Sequential Number	Valves Verified OPEN	Location	CRO Initials	Assistant CRO Initials	Time
1	(b) (3) (B)				/
2					/
3					/
4					/
5					/

(*) Denotes manual valves.

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U004 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 5 – TRANSFER PUMP SUCTION CYCLE

- ___/___/___ 170. (b) (3) (B) WS: Complete the following procedures and report to the CRO:
- Connect/Confirm suction hose to (b) (3) (B) manifold and verify is properly secured
 - Connect/Confirm drain hose to (b) (3) (B) manifold and verify is properly secured
- ___/___/___ 180. CRO: Request permission to start the JP-5 Suction Unpacking operation:
- CRO to SoW
 - SoW to Fuels Director
 - Fuels Director to Command Officer
- ___/___/___ 190. CRO: Begin the “Receiving” Evolution on AFHE System to TK (b) (3) (B).
- ___/___/___ 200. PO (b) (3) (B) WS: Start the pump
- OPEN (b) (3) (B), (b) (3) (B)
 - OPEN (b) (3) (B), Manifold Valve
 - OPEN (b) (3) (B), (b) (3) (B)
 - Start the Compressor
 - Slowly open air line valve – pump should begin to cycle – wait for pump to prime (discharge hose will begin to move)
 - Continue opening air line valve until fully open and pump is at full speed
- ___/___/___ 210. PO (b) (3) (B) WS: Monitor pump for excessive vibration or loss of prime
- ___/___/___ 220. CRO: Monitor tank (b) (3) (B) level for expected drain amount
- ___/___/___ 230. PO/VS-1C WS: Stopping the pump
- Once tank level has reached desired transfer amount or only air is being pumped, stop the pump.
 - Slowly close the air line valve
 - Turn off the Compressor
 - CLOSE (b) (3) (B), (b) (3) (B)
 - CLOSE (b) (3) (B), Manifold Valve
 - CLOSE (b) (3) (B), (b) (3) (B)

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U004 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		

SECTION 6 – RETURN TO BASELINE

DATE TIME INITIALS

____ / ____ / ____ 240. **CRO:** Use the table below to sequentially **CLOSE** and validate the valves using the “point and call” system.

____ / ____ / ____ 250. **Rov/IV:** Sequentially **CLOSE** and validate valve alignment in the field and report valve position to CRO.

Sequential Number	Valves Verified CLOSE	Location	CRO Initials	Assistant CRO Initials	Time
6	(b) (3) (B)				
7					/
8					/
9					/
10					/
11					/
12					/
13					/
14					/
15					/

(*) Denotes manual valves.

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U004 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

____/____/____ 260. **All assigned personnel:** Report condition of zone to **CRO**.

Zone Assignment	Personnel Assignments	Report Time	Status (Notes)
Control Room	SoW		
Control Room	CRO		
Control Room	Assistant CRO		
(b) (3) (B) and (b) (3) (B)	Work Supervisor (b) (3) (B)		
RH HPV (b) (3) (B)	Work Lead RH		
(b) (3) (B) and (b) (3) (B)	Work Lead PH		
(b) (3) (B) and (b) (3) (B)	Pump Operator		
(b) (3) (B) and (b) (3) (B)	Assistant Pump Operator		
Zone 1	Rover #1 Lower Tank Gallery		
Zone 2	Rover #2 RH HPV (b) (3) (B)		
Zone 3	Rover #3 (b) (3) (B)		
Zone 4	Rover #4 (b) (3) (B)		
Zone 5	Rover #5 (b) (3) (B)		
Zone 6	Rover #6 (b) (3) (B)		
Zone 7	Rover #7 (b) (3) (B)		
Zone 8	Rover #8 (b) (3) (B)		
Zone 9	Rover #9 TK (b) (3) (B)		
RH HPV (b) (3) (B)	Independent Validator RH		
(b) (3) (B)	Independent Validator PH		
(b) (3) (B)	Independent Validator PH		

____/____/____ 270. **RH WL:** Report the following procedures have been completed and report to **CRO**:

- (b) (3) (B) **CLOSE**
- (b) (3) (B) and (b) (3) (B) **CLOSED**

____/____/____ 280. **CRO:** Ensure the following procedures are completed and announce when complete:

- JP-5 path utilized is back to baseline configuration
- “Receiving”** Evolution has ended on AFHE System

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U004 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 7 – CLOSEOUT

DATE TIME INITIALS

____ / ____ / ____ 300. (b) (3) (B) **WS:** Complete the following procedures and report to the **CRO:**

- All equipment is stowed away
- Pump is secured

____ / ____ / ____ 310. **Row:** Manually gauge receiving tank ~ one (1) hour after the final secure time of the JP-5 operation and record final tank level

Receiving Tank	Finish Level (Ft/In)	Finish Level (Gal)	CRO Initials	Assistant CRO Initials	Time
TK (b) (3) (B)					

____ / ____ / ____ 320. **CRO:** Finalize the following documents are completed and turned in at the main building B1757 at the end of the day:

- FLC Fuel Form 703-18, Transfer Record
- FLC Fuel Form 703-22, Tank Inventory Control Daily Levels

____ / ____ / ____ 330. **SoW:** verify the following the follow procedures have been completed:

- All procedures completed IAW OPORD
- Documentation is completed
- All information/signature blocks on operation order are filled in

____ / ____ / ____ 340. **SoW:** Notify operational personnel the operation is complete

____ / ____ / ____ 350. **SoW:** Notify the Fuels Director the operation is complete

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Authored By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to (b) (6) via AODD Pump	Doc #: U004 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		

OPERATIONS ORDER CLOSEOUT

Select the appropriate statement below

Statement or Order	CRO Initial
This order was executed as written without any changes.	
This order was executed with changes as marked and approved on the order	

NOTE: If the order required approved modification, the CRO to sign, date and forward for final approval and archiving.

NOTE: The Supervisory Distributive Facilities Specialist (SDFS) will pick all Operations Orders up at the end of the day at the Control Room.

_____ CRO _____ Date

- The CRO to forward this procedure to the Supervisory Distributive Facilities Specialist

_____ Supervisory Distributive Facilities Specialist (SDFS) _____ Date

- The SDFS to forward this order to the Deputy Director of Fuels

_____ Deputy Director of Fuels _____ Date


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Authored By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH JP-5 Unpacking to (b) (6) via AODD Pump	Doc #: U004 Rev No. 2
Doc Custodian: Fuels Department		Suction Unpacking Low Point Drain Transfer Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

REVISION HISTORY

Revision Number	Description of Change	Technical Basis	Requested By	Approved By	Revision Date	Effective Date

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	JBPHH Fleet Logistics Center Operations Order JP-5 Pipeline Suction Drain Down Baseline OPORD (Date OCT22)	Document No:	U004A
		Revision No:	1.0
		Page No:	1 of 8

Reviewed By: (b) (6) – (b) (4) Engineer


Reviewed By: (b) (6) – Operations Supervisor

Reviewed By: (b) (6) – Fuels Operations Director

Approved By: LCDR (b) (6) – Deputy Fuels Director

(b) (6) Digitally signed by
 (b) (6)
 Date: 2022.09.27 21:54:41
 -10'00'

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	JBPHH Fleet Logistics Center	Document No:	U004A
	Operations Order JP-5 Pipeline Suction Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	2 of 8

EVOLUTION START DATE: _____

CONTROL ROOM INITIALS (MASTER COPY): _____

FIELD COPY INITIALS: _____

EVOLUTION ORDER

1. DFSP JBPHH conducts JP-5 unpacking operations from Red Hill to Pearl Harbor to provide drain down of the JP-5 Pipeline from (b) (3) (B) Area to (b) (3) (B) with a fuel estimation of 22,324 gallons

NOTE: This Operations Order will provide the information to safely perform the following Operations Order

BASELINE – VALVE ALIGNMENT VERIFICATION

DATE TIME INITIALS

____ / ____ / ____ 10.

A terminal valve verification must be conducted prior to execution of any operation by following the procedures

- CRO validates motor operated valves (MOVs)
 - Comparison by AFHE in the baseline position to current position, by writing in the “current position” of the valve with the time of validation
- Rover validates manual valves
 - Comparison by in the field verification of the baseline position to current position, by writing in the “current position” of the valve with the time of validation

NOTE: Validation of valves will be verified by comparing baseline position to current position, while conducting valve validation inspection, if a valve is **NOT** in the **BASELINE** position, inform **CRO** immediately and bring to attention of **SoW** in morning briefing

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JBPHH Fleet Logistics Center
Operations Order JP-5 Pipeline Suction
Drain Down Baseline OPORD
(Date OCT22)

Document No:	U004A
Revision No:	1.0
Page No:	3 of 8

JP-5 Valve Baseline via AODD Pump RH to TK 301						
Sequential Number	Valves Verified	Location	Baseline Position	Current Position	Time	
1	(b) (3) (B)		NORMALLY CLOSED			
2			NORMALLY CLOSED			
3			NORMALLY CLOSED			
4			NORMALLY CLOSED			
5			NORMALLY CLOSED			
6			NORMALLY CLOSED			
7			NORMALLY CLOSED			
8			NORMALLY CLOSED			
9			NORMALLY CLOSED			
10			NORMALLY CLOSED			
11			NORMALLY CLOSED			
12			NORMALLY CLOSED			
13				NORMALLY OPEN		
14				NORMALLY CLOSED		
15				NORMALLY CLOSED		
16				NORMALLY CLOSED		
17				NORMALLY CLOSED		
18				NORMALLY CLOSED		
19				NORMALLY CLOSED		
20				NORMALLY CLOSED		
21				NORMALLY CLOSED		
22				NORMALLY CLOSED		

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JBP HH Fleet Logistics Center
Operations Order JP-5 Pipeline Suction
Drain Down Baseline OPORD
(Date OCT22)

Document No:	U004A
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23	(b) (3) (B)	NORMALLY OPEN		
24		NORMALLY OPEN		
25		NORMALLY OPEN		
26		NORMALLY OPEN		
27		NORMALLY CLOSED		
28		NORMALLY CLOSED		
29		NORMALLY CLOSED		
30		NORMALLY CLOSED		
31		NORMALLY OPEN		
32		NORMALLY OPEN		
33		NORMALLY CLOSED		
34		NORMALLY CLOSED		
35		NORMALLY CLOSED		
36		NORMALLY CLOSED		
37		NORMALLY CLOSED		
38		NORMALLY CLOSED		
39		NORMALLY CLOSED		
40		NORMALLY CLOSED		
41		NORMALLY CLOSED		
42		NORMALLY CLOSED		
43		NORMALLY CLOSED		
44		NORMALLY CLOSED		
45		NORMALLY CLOSED		
46		NORMALLY CLOSED		

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JBPHH Fleet Logistics Center
Operations Order JP-5 Pipeline Suction
Drain Down Baseline OPORD
(Date OCT22)

Document No:	U004A
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47	(b) (3) (B)	NORMALLY OPEN		
48		NORMALLY CLOSED		
49		NORMALLY CLOSED		
50		NORMALLY CLOSED		
51		NORMALLY CLOSED		
52		NORMALLY CLOSED		
53		NORMALLY CLOSED		
54		NORMALLY OPEN		
55		NORMALLY CLOSED		
56		NORMALLY CLOSED		
57		NORMALLY CLOSED		
58		NORMALLY CLOSED		
59		NORMALLY OPEN		
60		NORMALLY CLOSED		
61		NORMALLY CLOSED		
62		NORMALLY CLOSED		
63		NORMALLY CLOSED		
64	NORMALLY CLOSED			
65	NORMALLY CLOSED			
66	NORMALLY OPEN			
67	NORMALLY CLOSED			
(*) – Denotes Manual Valve				

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U004A
	Operations Order JP-5 Pipeline Suction Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	6 of 8

____/____/____ 20. After completion of the Baseline Operations Order (OPORD):

- CRO and Rover:** Print, sign and date at the bottom of the OPORD validates motor operated valves (MOVs)
- CRO:** Ensure Baseline OPORD is provide to SoW for validation at the Watch Team Brief

Validation Baseline Inspection Completed by:

Rover #1 (Print, Sign, Date)

CRO (Print, Sign, Date)


____/____/____ 30. **SoW:** Validate Baseline configuration OPORD and verify terminal is ready to conduct fueling operation

SoW (Print, Sign, Date)

NOTE: If the Operations Order was completed with NO issues and NO changes, file should be placed in the completed Operations Order box.

NOTE: If the Operations Order was completed WITH issues or WITH changes, ensure the appropriate process was followed and signed off on for the change or issue. File this modified copy in the Operations Order modified box

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U004A
	Operations Order JP-5 Pipeline Suction Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	7 of 8

Operations Order Closeout:

Select the appropriate statement below

Statement or Order	CRO Initial
This order was executed as written without any changes.	
This order was executed with changes as marked and approved on the order	

NOTE: If the order required approved modification, the CRO to sign, date and forward for final approval and archiving.

NOTE: The Supervisory Distribution Facilities Specialist (SDFS) will pick all Operations Orders up at the end of the day at the Control Room.

_____ CRO _____ Date


- The CRO to forward this procedure to the Supervisory Distribution Facilities Specialist

_____ Supervisory Distribution Facilities Specialist (SDFS) _____ Date

- The SDFS to forward this order to the Deputy Director of Fuels

_____ Deputy Director of Fuels _____ Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center Operations Order JP-5 Pipeline Suction Drain Down Baseline OPORD (Date OCT22)	Document No:	U004A
		Revision No:	1.0
		Page No:	8 of 8

REVISION HISTORY

Revision Number	Description of Change	Technical Basis	Requested By	Approved By	Revision Date	Effective Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

(b) (3) (B)





(b) (3) (B)

Authored By: (b) (6)	<u>DFSP Pearl Harbor</u> <u>Maintenance Order</u> Red Hill F-76 Line Equalization and Maintenance Order	Doc #: UM03 Rev No. 1
Doc Custodian: Fuels Department		Maintenance Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

Reviewed By: (b) (6) – (b) (4) Engineer

Reviewed By: (b) (6) – Operations Supervisor

Reviewed By: (b) (6) – Fuels Operations Director

Approved By: LCDR (b) (6) – Deputy Fuels Director

(b) (6) Digitally signed by
(b) (6)
Date: 2022.09.27 22:36:17 -10'00'

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This copy was printed on: 9/27/2022, 10:08:47 PM

Authorized By: (b) (6)	<u>DFSP Pearl Harbor</u> <u>Maintenance Order</u> Red Hill F-76 Line Equalization and Maintenance Order	Doc #: UM03 Rev No. 1
Doc Custodian: Fuels Department		Maintenance Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

Requested Start Date: 10/3/2022 **Estimated Work Time:** 4 hrs **Severity:** Routine
Operations Support Needed: No / **Yes:** Equalize F-76 Line / Return Sectional Valves to Baseline
Operations Scheduling Needed: None / **Impact:** Blackout: Red Hill to (b) (3) (B) F-76 LOTO

MAINTENANCE ORDER

1. This Maintenance Order ONLY details **Phase 2, Equalization and Valve Maintenance** of the ‘F-76 Unpacking Process’.
2. DFSP JBPHH conducts equalization on the Red Hill F-76 pipeline to support the maintenance greasing, cycling, and PM work on the sectional valves.

WARNING: In the case of an emergency, take the following steps:

1. Take immediate action to shut the nearest valve to prevent the movement of fuel;
2. Notify the CRO;
3. Reference the ICP plan for further instruction.

REFERENCES

1. Operations, Maintenance, Environmental, and Safety Plan (OMES), Dated August 2018
2. UFC 3-460-03, United Facilities Criteria, Operations and Maintenance: Maintenance Petroleum Fuel Facilities
3. NAVSUPINST 5100.12B Control of Hazardous Energy
4. Mechanical Integrity Procedure

ENCLOSURES

- Enclosure (1): ECP
Enclosure (2): WAF: To be completed
Enclosure (3): PM Job Orders: To be completed

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor</u> <u>Maintenance Order</u> Red Hill F-76 Line Equalization and Maintenance Order	Doc #: UM03 Rev No. 1
Doc Custodian: Fuels Department		Maintenance Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

MAINTENANCE ORDER START

SECTION 1 – MUSTER

DATE TIME INITIALS

____ / ____ / ____ 10. **LAP:** Conduct a Muster to ensure all assigned personnel are in attendance for the upcoming brief.

Zone Assignment	Personnel Assignments	Name	Call Sign
	Lead Authorized Person(LAP)		
	Maintenance Controller(MC)		
	Maintenance Personnel(MP)		
	Maintenance Supervisor(MS)		
	Operations Supervisor(OS)		
	Operations Personnel(OP)		
	CRO		
	Assistant CRO		

SECTION 2 – PRE-BRIEF

DATE TIME INITIALS

____ / ____ / ____ 20. **MC:** Confirm submitted ECP form and prepare WAF form.

____ / ____ / ____ 30. **MC:** Review Maintenance and Operations Schedule for any impact to or from this order on overlapping Operations or Maintenance Orders.

____ / ____ / ____ 40. **OS/MS:** Confirm and assign required personnel needed for the Maintenance Order.

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor</u> <u>Maintenance Order</u> Red Hill F-76 Line Equalization and Maintenance Order	Doc #: UM03 Rev No. 1
Doc Custodian: Fuels Department		Maintenance Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 3 – WATCH TEAM BRIEF

DATE TIME INITIALS

- ____/____/____ 50. **LAP:** Lead the brief in the Maintenance Control Room to include:
- ECP review
 - WAF review
 - Maintenance Order
 - Operations Involvement
- ____/____/____ 60. **MC:** Administrate Documents, Provide Locks, and Post WAF.
- ____/____/____ 70. **MP:** Confirm and Sign ECP and WAF.
- ____/____/____ 80. **OS/MS:** Confirm personnel assignments, scheduling, and operations requirements.
- ____/____/____ 90. **CRO:** Confirm readings and information accuracy:
- Flow Path – is accurate and no *oos* notes in AFHE
 - MOV Isolation – MOVs indicated in ECP not part of separate LOTO, and actuation will not interfere with simultaneous operations
 - AFHE Involvement – Confirm AFHE ability to support order
 - Approximate duration – Confirm scheduling and control of simultaneous operations will not overburden Control Room

SECTION 4 – PRE-CHECK

DATE TIME INITIALS

- ____/____/____ 100. **LAP:** Walk and view piping and isolation points, confirming ECP.
- ____/____/____ 110. **MC:** Walk and view piping and isolation points, confirming ECP.

Attach & Review ECP and ECP drawings to this order.

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor</u> <u>Maintenance Order</u> Red Hill F-76 Line Equalization and Maintenance Order	Doc #: UM03 Rev No. 1
Doc Custodian: Fuels Department		Maintenance Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 5 – ISOLATING AND LOTO

DATE TIME INITIALS

- ____ / ____ / ____ 120. **LAP:** Verify ECP Valve Configuration and Hang Equipment Locks & Tags.
- ____ / ____ / ____ 130. **LAP/MP:** Install Locking Devices and Tags per ECP.
- ____ / ____ / ____ 140. **LAP:** Review Locks, Tags, and Isolation Devices.
- ____ / ____ / ____ 150. **LAP:** Sign and Post WAF and ECP package at job site.
- ____ / ____ / ____ 160. **OP:** Vent F-76 Line

- Install Compound Pressure Gauge assembly at (b) (3) (B)
- Open (b) (3) (B), keeping the Pressure Gauge assembly valve closed. Should see pressure decrease here slightly
- Verify Gauge is reading ^{(b) (3) (B)} psig
- Very Slowly Open Pressure Gauge assembly valve – NOTE: May hear air suck into pipe
- Wait for pressure to equalize

- ____ / ____ / ____ 170. **OP:** Open Sectionals (b) (3) (B)
- Slowly Open (b) (3) (B), keeping communication with OP at (b) (3) (B). If the pressure reads ^{(b) (3) (B)} psig slow the opening of the valve
 - Open until the valve is fully open – verified by indicator and CRO
 - Wait for pressure to equalize
 - Repeat this step until all stated sectionals have been opened and the pipeline has been equalized

- ____ / ____ / ____ 180. **OP:** Close (b) (3) (B)

SECTION 6 – UNDERGOING MAINTENANCE

DATE TIME INITIALS

- ____ / ____ / ____ 190. **MP:** Complete assigned PM and Job Orders.

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Authored By: (b) (6)	<u>DFSP Pearl Harbor</u> <u>Maintenance Order</u> Red Hill F-76 Line Equalization and Maintenance Order	Doc #: UM03 Rev No. 1
Doc Custodian: Fuels Department		Maintenance Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

REVISION HISTORY

Revision Number	Description of Change	Technical Basis	Requested By	Approved By	Revision Date	Effective Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

ENERGY CONTROL PROCEDURE (ECP) FORM

Energy Control Procedure No. <u>DDF76</u> Lockbox No. <u>1</u>			Page <u>1</u> of <u>1</u>		
			Date: _____		
Location and WAF Number		Red Hill		Job Lock Key Custodian (Maintenance Controller) (b) (6)	
Equipment ID/ Description		F76 Header and Laterals		Change	
				From	To Date/Time
Job Description		Lo/To (flowpath only) for F76 Header Draining		Change	
				From	To Date/Time
Lead Authorized Employee		(b) (6)			

Authorized Employee must notify all Affected Personnel of equipment/ vessel isolation.
Document isolation steps below and perform LOCK, TAG, and TRY.

LOTO Isolation Date	Valve Number	Lock and/or tag Number and Blind Number	Isolation Position (Open or Closed)	LOTO Installed By	Lock Tag Try (Y/N)	LOTO Removal Date	LOTO Removed By	Comments	
9/9/22	(b) (3) (B)	F76-1	Closed	RTB	Y				
9/9/22		F76-2	Closed	RTB	Y				
9/9/22		F76-3	Closed	RTB	Y				
9/9/22		F76-4	Closed	RTB	Y				
9/15/22		F76-B1	Closed	RTB	Y				
9/15/22		F76-B2	Closed	RTB	Y				
9/15/22		F76-B3	Closed	RTB	Y				
9/9/22		F76-5	Closed	RTB	Y				
9/9/22		F76-6	Closed	RTB	Y				
9/9/22		F76-7	Closed	RTB	Y				
9/9/22		F76-8	Closed	RTB	Y				
9/15/22		F76-B4	Closed	RTB	Y				
9/16/22		F76-B5	Closed	RTB	Y				
Prehung			F76-9	Closed					Fire Valve to be locked close post unpacking

By printing my name in the box below, I signify that all stored energy is dissipated. All isolation points are in the proper position and my personal lock has been attached to either an individual lockout tagout device or group lockbox.

Print Authorized Employee Name and Company			Write on the back if necessary		
1			4		
2			5		
3			6		

(b) (3) (B)






Authored By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to YON^{(b) (6)} via Gravity	Doc #: U005 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

Reviewed By: (b) (6) – (b) (4) Engineer

Reviewed By: (b) (6) – Operations Supervisor

Reviewed By: (b) (6) – Fuels Operations Director

Approved By: LCDR (b) (6) – Deputy Fuels Director


 Digitally signed by
 (b) (6)
 Date: 2022.09.27 22:37:29 -10'00'

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to YON (b) (3) (6) via Gravity	Doc #: U005 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

EVOLUTION START DATE: _____

CONTROL ROOM INITIALS (MASTER COPY): _____

FIELD COPY INITIALS: _____

EVOLUTION ORDER

1. This Operations Order ONLY details **Phase 3, Gravity Drain**, of the ‘F-76 Unpacking Process’.
2. DFSP JBPHH conducts unpacking operations from the Red Hill F-76 Pipeline to YON (b) (3) (6) to vacate F-76 pipeline of ~250,000 gallons.

Issue Source	Receipt Tank	Volume	Deputy Director of Fuels Initial
RH F-76 Pipeline	YON (b) (3) (6)		

WARNING: In the case of an emergency, take the following steps:

1. Take immediate action to shut the nearest valve to prevent the movement of fuel;
2. Notify the CRO;
3. Reference the ICP plan for further instruction.

REFERENCES

1. Operations, Maintenance, Environmental, and Safety Plan (OMES), Dated August 2018
2. MIL – STD 3004-1: Department of Defense Standard Practice Quality Assurance for Bulk Fuels, Lubricants and Related Products
3. Integrated Contingency Plan (ICP), Date August 2018

ENCLOSURES

- Enclosure (1): Flow Diagram
Enclosure (2): Terminal Pier PIC Checklist

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Authorized By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH F-76 Unpacking to YON (b) (3) (B) via Gravity	Doc #: U005 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

OPERATIONAL ORDER START

CAUTION: If a deviation or modification is needed in this order, the CRO must obtain proper approval for the change following the Change Request Form at the rear of this document.

NOTE: A valve baseline must be conducted prior to the execution of this Operations Order.

SECTION 1 – MUSTER

DATE TIME INITIALS

____/____/____ 10. **SoW:** Conduct a Muster to ensure all assigned personnel are in attendance for the brief.

Zone Assignment	Personnel Assignments	Name	Call Sign
Control Room	SoW		
Control Room	CRO		
Control Room	Assistant CRO		
Lower Tank Gallery	Work Supervisor RH		
Hotel Pier	Work Supervisor PH		
HPV TK (b) (3) (B)	Work Lead RH		
Zone 1	Rover #1 Lower Tank Gallery		
Zone 2	Rover #2 TK (b) (3) (B)		
Zone 3	Rover #3 Lower Tank Gallery		
Zone 4	Rover #4 Lower Tank Gallery (b) (3) (B)		
Zone 5	Rover #5 (b) (3) (B)		
Zone 6	Rover #6 (b) (3) (B)		
Zone 7	Rover #7 (b) (3) (B)		
Zone 8	Rover #8 (b) (3) (B)		
Zone 9	Rover #9 (b) (3) (B) ^P		
Zone 10	Rover #10 (b) (3) (B) ^P		
Zone 11	Rover #11 Pipe Rack		
Zone 12	Rover #12 (b) (3) (B)		
Zone 13	Rover #13 Hotel Pier		
Zone 14	Rover #14 Hotel Pier		
Hotel Pier	Pier PIC		
Hotel Pier	Assistant Pier PIC		
Hotel Pier	Vac Truck Operator		
YON (b) (3) (B)	YON PIC		
YON (b) (3) (B)	Assistant YON PIC		
YON (b) (3) (B)	YON Assistant		
RH Skillet TK (b) (3) (B)	RH Independent Validator		
Hotel Pier	PH Independent Validator		

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Authorized By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH F-76 Unpacking to YON (b) (6) via Gravity	Doc #: U005 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 2 – PRE-BRIEF

DATE TIME INITIALS

____ / ____ / ____ 20. **SoW:** Confirm the following procedures are complete IOT conduct Phase 3: F-76 Pipeline Drain Down:

- Phase 2: Maintenance Order/Pressure Equalization has been completed and operating conditions are acceptable to proceed.
- Baseline Operations Orders is completed and validated accurate (Doc# 006A).

____ / ____ / ____ 30. **WS:** Confirm and assign required personnel needed for this Operations Order.

____ / ____ / ____ 40. **CRO:** Verify the following procedures have been completed.

- Valve baseline matches current AFHE configuration
- SDS and ICP are on-hand and updated
- Ullage in YON (b) (6) is greater than ~275,000 gallons for transfer (110% of transfer amount)

Receiving Tank	Start Level (Ft/In)	Start Ullage (Gal)	CRO Initials	Assistant CRO Initials	Time
YON (b) (6)					

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to YON^{(b) (3) (B)} via Gravity	Doc #: U005 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

____ / ____ / ____ 50. **YON PIC:** Prepare/provide the following required paperwork:

- Operation Orders
- C700 Operations Notification Flow Chart
- Barge and Ullage Report

____ / ____ / ____ 60. **CRO:** Prepare/provide the following required paperwork:

- Tank Inventory Control Daily Levels
- Transfer Record

SECTION 3 – WATCH TEAM BRIEF

DATE TIME INITIALS

____ / ____ / ____ 70. **SoW:** Lead the brief in the (b) (3) (B) Control Room to include:

- Operational Procedures/Priorities
- Operational Expectations
- Integrated Contingency Plan

____ / ____ / ____ 80. **SoW:** Step through operations order and address any questions.

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Authored By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to YON (b) (6) via Gravity	Doc #: U005 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 4 – PRE-OPERATION CHECK

DATE TIME INITIALS

____ / ____ / ____ 90. **YON PIC:** Ensure all procedures are completed prior to executing F-76 Drain Down Operations:

- Report Time of YON Crew _____
- Thermal Baseline Verified

____ / ____ / ____ 100. **Terminal PIC:** Ensure all procedures are completed prior to executing F-76 Drain Down Operations:

- Terminal Pier PIC Checklist
- Verify Fuel Riser Utilized _____
- Verify Amount being Transferred _____

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Authorized By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH F-76 Unpacking to YON (b) (3) (B) via Gravity	Doc #: U005 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 5 – VALVE ALIGNMENT

DATE TIME INITIALS

____ / ____ / ____ 110. **All Assigned Personnel:** Report to designated zones and conduct radio communications check with CRO.

Zone Assignment	Personnel Assignments	Call Sign	Report Time
Control Room	SoW		
Control Room	CRO		
Control Room	Assistant CRO		
Lower Tank Gallery	Work Supervisor RH		
Hotel Pier	Work Supervisor PH		
HPV TK (b) (3) (B)	Work Lead RH		
Zone 1	Rover #1 Lower Tank Gallery		
Zone 2	Rover #2 TK (b) (3) (B)		
Zone 3	Rover #3 Lower Tank Gallery		
Zone 4	Rover #4 Lower Tank Gallery (b) (3) (B)		
Zone 5	Rover #5 (b) (3) (B)		
Zone 6	Rover #6 (b) (3) (B)		
Zone 7	Rover #7 (b) (3) (B)		
Zone 8	Rover #8 (b) (3) (B)		
Zone 9	Rover #9 (b) (3) (B) ^P		
Zone 10	Rover #10 (b) (3) (B) ^P		
Zone 11	Rover #11 Pipe Rack		
Zone 12	Rover #12 (b) (3) (B)		
Zone 13	Rover #13 Hotel Pier		
Hotel Pier	Pier PIC		
Hotel Pier	Assistant Pier PIC		
Hotel Pier	Vac Truck Operator		
YON (b) (3) (B)	YON PIC		

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH F-76 Unpacking to YON (b) (3) (B) via Gravity	Doc #: U005 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

____ / ____ / ____ 120. **YON PIC:** Direct Hose Movement and Connection:

- Transfer Hose from YON to Hotel Pier
- Connect and secure hose to riser _____
- Line-up YON for receiving, keeping header valve **CLOSED**
- Inform CRO that connection has been completed

____ / ____ / ____ 130. **CRO:** Request permission to start the F-76 Drain Down Valve Alignment:

- CRO to SoW**
- SoW to Fuels Director**
- Fuels Director to Command Officer**

____ / ____ / ____ 140. **RH PIC:** Ensure pressure on compound gauge at HPV is maintained between (b) (3) (B) psi throughout the operation.

____ / ____ / ____ 150. **CRO:** Direct RH WL to **OPEN** (b) (3) (B) .

____ / ____ / ____ 160. **CRO:** Use the table below to sequentially **OPEN** and validate the valves using the “point and call” system.

____ / ____ / ____ 170. **Rov/IV:** Validate valve alignment in the field and report valve position per CRO point and call request.

Sequential Number	Valves Verified OPEN	Location	CRO Initials	Assistant CRO Initials	Time Rover	Time Independent Validator
1	(b) (3) (B)					
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
(*) Denotes manual valves.						

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authored By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH F-76 Unpacking to YON^{(b) (3) (6)} via Gravity	Doc #: U005 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		Effective Date: 09/26/2022
Date Approved: 09/26/2022		

____ / ____ / ____ 180. **YON PIC and IV:** Use the table below, align header, issue and meter valves and report to **CRO**

Sequential Number	Valves Verified OPEN	Location	CRO Initials	Assistant CRO Initials	Time Rover	Time Independent Validator
1	(b) (3) (B)					
2						
3						
(*) Denotes manual valves.						

____ / ____ / ____ 190. **Terminal PIC:** Ensure Pier is ready to “Receive” F-76 for Drain Down Operations:

- Vacuum Truck is positioned at Hotel Pier
- Spill Kits and Fire Extinguisher Available

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to YON^{(b)(3)(B)} via Gravity	Doc #: U005 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 5 – DRAINING

DATE TIME INITIALS

- ____ / ____ / ____ 200. **CRO:** Request permission to start the F-76 Drain Down:
- CRO to SoW**
 - SoW to Fuels Director**
 - Fuels Director to Command Officer**
- ____ / ____ / ____ 210. **CRO:** Complete the following procedures prior to pressurizing the hose:
- Verify valve alignment
 - Verify hose connection
 - Verify YON header valve is **CLOSED**
- ____ / ____ / ____ 220. **CRO:** Slowly **OPEN** (b) (3) (B) and (b) (3) (B).
- ____ / ____ / ____ 230. **Terminal PIC:** Slowly **OPEN** Fuel Riser/Station _____ / _____
- ____ / ____ / ____ 240. **CRO:** Inform Control Tower that YON loading will begin.

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH F-76 Unpacking to YON (b) (3) (B) via Gravity	Doc #: U005 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

____/____/____ 250. **All Personnel:** Monitor zones for leaks, sheen, and abnormal conditions.

Zone Assignment	Personnel Assignments	Call Sign	Report Time
Control Room	SoW		
Control Room	CRO		
Control Room	Assistant CRO		
Lower Tank Gallery	Work Supervisor RH		
Hotel Pier	Work Supervisor PH		
HPV TK (b) (3) (B)	Work Lead RH		
Zone 1	Rover #1 Lower Tank Gallery		
Zone 2	Rover #2 TK (b) (3) (B)		
Zone 3	Rover #3 Lower Tank Gallery		
Zone 4	Rover #4 Lower Tank Gallery (b) (3) (B)		
Zone 5	Rover #5 (b) (3) (B)		
Zone 6	Rover #6 (b) (3) (B)		
Zone 7	Rover #7 (b) (3) (B)		
Zone 8	Rover #8 (b) (3) (B)		
Zone 9	Rover #9 (b) (3) (B)		
Zone 10	Rover #10 (b) (3) (B)		
Zone 11	Rover #11 Pipe Rack		
Zone 12	Rover #12 (b) (3) (B)		
Zone 13	Rover #13 Hotel Pier		
Hotel Pier	Pier PIC		
Hotel Pier	Assistant Pier PIC		
Hotel Pier	Vac Truck Operator		
YON (b) (3) (B)	YON PIC		

____/____/____ 260. **YON PIC:** After zone checks have been completed, slowly **OPEN** YON header valve and inform CRO start of transfer.

Sequential Number	Valves Verified OPEN	Location	CRO Initials	Assistant CRO Initials	Time Rover	Time Independent Validator
1	(b) (3) (B)					

____/____/____ 270. **CRO/RH WL:** Monitor pressure on compound gauge at HPV, throttling (b) (3) (B) as needed to reduce vacuum.

____/____/____ 280. **RH WL:** After (b) (3) (B) gal has drained, **OPEN** (b) (3) (B).

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to YON^{(b) (3) (6)} via Gravity	Doc #: U005 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

____ / ____ / ____ 290. **YON PIC:** Report to **CRO** and record YON levels half hourly.

Hour # (Time)	Tank Level	Current Amount(Gals)	CRO Initials	Assistant CRO Initials
.5 ()				
1 ()				
1.5 ()				
2 ()				
2.5 ()				
3 ()				
3.5 ()				
4 ()				
4.5 ()				
5 ()				

____ / ____ / ____ 300. **YON PIC:** Monitor **Tank Level** during the operation. When Transfer amount reached 250,000 gallons, inform CRO to stop the transfer.

____ / ____ / ____ 310. **CRO/YON PIC:** Once F-76 Operation has transferred 250,000 gallons, **YON PIC** will **CLOSE** the **Hotel riser** ____ and **YON header valve**.

____ / ____ / ____ 320. **CRO:** Inform Control Tower that YON loading has ended

ATTENTION: Once printed for field use, the document becomes a **NON-CONTROL COPY**. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to YON^{(b) (3) (B)} via Gravity	Doc #: U005 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 6 – RETURN TO BASELINE

DATE TIME INITIALS

___ / ___ / ___ 330. **CRO:** Use the table below to sequentially **CLOSE** and validate the valves using the “point and call” system.

___ / ___ / ___ 340. **Rov/IV:** Validate valve alignment in the field and report valve position per **CRO** point and call request.

Sequential Number	Valves Verified CLOSE	Location	CRO Initials	Assistant CRO Initials	Time Rover	Time Independent Validator
1	(b) (3) (B)					
2						
1						
2						
3						
4						
5						
6						
7						
8						
9						

(*) Denotes manual valves

All F-76 Sectional Valves will remain **OPEN** from (b) (3) (B) to Red Hill Lower Tank Gallery.

ATTENTION: Once printed for field use, the document becomes a **NON-CONTROL COPY**. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH F-76 Unpacking to YON (b) (3) (B) via Gravity	Doc #: U005 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

____ / ____ / ____ 350. **YON PIC & IV:** Use the table below to ensure YON Valves are **CLOSED** and **OPEN** IOT return YON (b) (3) (B) Valve baseline with thermal exception

Sequential Number	Valves Verified CLOSED	Location	CRO Initials	Assistant CRO Initials	Time Rover	Time Independent Validator
1	(b) (3) (B)					
2						
3						

(*) Denotes manual valves.

____ / ____ / ____ 360. **RH PIC/WL:** Report the following procedures have been completed and report to **CRO:**

- (b) (3) (B) CLOSE**
- (b) (3) (B) CLOSE**

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to YON (b) (3) (B) via Gravity	Doc #: U005 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

____ / ____ / ____ 370. **All assigned personnel: Report zone condition to CRO.**

Zone Assignment	Personnel Assignments	Report Time	Status (Notes)
Control Room	SoW		
Control Room	CRO		
Control Room	Assistant CRO		
Lower Tank Gallery	Work Supervisor RH		
Hotel Pier	Work Supervisor PH		
HPV TK (b) (3) (B)	Work Lead RH		
Zone 1	Rover #1 Lower Tank Gallery		
Zone 2	Rover #2 TK (b) (3) (B)		
Zone 3	Rover #3 Lower Tank Gallery		
Zone 4	Rover #4 Lower Tank Gallery (b) (3) (B)		
Zone 5	Rover #5 (b) (3) (B)		
Zone 6	Rover #6 (b) (3) (B)		
Zone 7	Rover #7 (b) (3) (B)		
Zone 8	Rover #8 (b) (3) (B)		
Zone 9	Rover #9 (b) (3) (B) ^P		
Zone 10	Rover #10 (b) (3) (B) ^P		
Zone 11	Rover #11 Pipe Rack		
Zone 12	Rover #12 (b) (3) (B)		
Zone 13	Rover #13 Hotel Pier		
Hotel Pier	Pier PIC		
Hotel Pier	Assistant Pier PIC		
Hotel Pier	Vac Truck Operator		
YON (b) (3) (B)	YON PIC		

____ / ____ / ____ 380. **CRO: Ensure the follow procedures are completed and announce when complete:**

- F-76 path utilized is back to baseline configuration

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authored By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH F-76 Unpacking to YON^{(b) (3) (6)} via Gravity	Doc #: U005 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 7 – CLOSEOUT

DATE TIME INITIALS

____ / ____ / ____ 390. **YON PIC:** Manually gauge receiving tank ~ one (1) hour after the final secure time of the F-76 operation and record/report final amount issued to CRO.

Receiving Tank	Finish Level (Ft/In)	Finish Level (Gal)	CRO Initials	Assistant CRO Initials	Time
YON ^{(b) (3) (6)}					

____ / ____ / ____ 400. **CROs:** Shall finalize and the following documents are completed and turned in at the main building, Pearl Harbor: B1757 at the end of the day:

- FLC Fuel Form 703-18, Transfer Record
- FLC Fuel Form 703-22, Tank Inventory Control Daily Levels
- FLC Fuel Form 703-24, Running Gauge Record

____ / ____ / ____ 410. **SoW:** verify the following the follow procedures have been completed:

- All procedures completed IAW OPORD
- Documentation is completed
- All information/signature blocks on operation order are filled in

____ / ____ / ____ 420. **SoW:** Notify Operational personnel that the operation is complete.

____ / ____ / ____ 430. **SoW:** Notify Fuels Director operation is complete.

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to YON (b) (3) (6) via Gravity	Doc #: U005 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

Operations Order Closeout

Select the appropriate statement below:

Statement or Order	CRO Initial
This order was executed as written without any changes.	
This order was executed with changes as marked and approved on the order.	

NOTE: If the order required approved modification, the CRO to sign, date and forward for final approval and archiving.

NOTE: The Supervisory Distributive Facilities Specialist (SDFS) will pick all Operations Orders up at the end of the day at the Control Room.

_____ CRO _____ Date

- The CRO to forward this procedure to the Supervisory Distributive Facilities Specialist.

_____ Supervisory Distributive Facilities Specialist (SDFS) _____ Date

- The SDFS to forward this order to the Deputy Director of Fuels.

_____ Deputy Director of Fuels _____ Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authored By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to YON (b) (6) via Gravity	Doc #: U005 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

REVISION HISTORY

Revision Number	Description of Change	Technical Basis	Requested By	Approved By	Revision Date	Effective Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U005A
	Operations Order F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	1 of 8

Reviewed By: (b) (6) – (b) (4) Engineer


Reviewed By: (b) (6) – Operations Supervisor

Reviewed By: (b) (6) – Fuels Operations Director

Approved By: LCDR (b) (6) – Deputy Fuels Director

(b) (6) Digitally signed by
(b) (6)
Date: 2022.09.29 07:17:19 -10'00'

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U005A
	Operations Order F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	2 of 8

EVOLUTION START DATE: _____

CONTROL ROOM INITIALS (MASTER COPY): _____

FIELD COPY INITIALS: _____

EVOLUTION ORDER

1. DFSP JBPHH conducts F-76 unpacking operations from Red Hill to Pearl Harbor to provide drain down of the F-76 Pipeline from Lower Tank Gallery Area to (b) (3) (B) with a fuel estimation of 250,000 gallons

NOTE: This Operations Order will provide the information to safely perform the following Operations Order

BASELINE – VALVE ALIGNMENT VERIFICATION

DATE TIME INITIALS

____ / ____ / ____ 10.

A terminal valve verification must be conducted prior to execution of any operation by following the procedures

- CRO validates motor operated valves (MOVs)
 - Comparison by AFHE in the baseline position to current position, by writing in the “current position” of the valve with the time of validation
- Rover validates manual valves
 - Comparison by in the field verification of the baseline position to current position, by writing in the “current position” of the valve with the time of validation

NOTE: Validation of valves will be verified by comparing baseline position to current position, while conducting valve validation inspection, if a valve is **NOT** in the **BASELINE** position, inform **CRO** immediately and bring to attention of **SoW** in morning briefing

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.



JBPHH Fleet Logistics Center
Operations Order F-76 Pipeline Drain
Down Baseline OPORD
(Date OCT22)

Document No:	U005A
Revision No:	1.0
Page No:	3 of 8

F-76 Valve Baseline from RH to Hotel Pier					
Sequential Number	Valves Verified	Location	Baseline Position	Current Position	Time
1	(b) (3) (B)		NORMALLY CLOSED		
2			NORMALLY CLOSED		
3			NORMALLY CLOSED		
4			NORMALLY CLOSED		
5			NORMALLY CLOSED		
6			NORMALLY CLOSED		
7			NORMALLY OPEN		
8			NORMALLY OPEN		
9			NORMALLY OPEN		
10			NORMALLY OPEN		
11			NORMALLY OPEN		
12			NORMALLY CLOSED		
13			NORMALLY CLOSED		
14			NORMALLY CLOSED		
15			NORMALLY CLOSED		
16			NORMALLY OPEN		
17			NORMALLY CLOSED		
18			NORMALLY OPEN		
19			NORMALLY CLOSED		
20			NORMALLY CLOSED		
21			NORMALLY CLOSED		

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.



JBP HH Fleet Logistics Center
Operations Order F-76 Pipeline Drain
Down Baseline OPORD
(Date OCT22)

Document No:	U005A
Revision No:	1.0
Page No:	4 of 8

22	(b) (3) (B)	NORMALLY CLOSED			
23		NORMALLY CLOSED			
24		NORMALLY CLOSED			
25		NORMALLY CLOSED			
26		NORMALLY CLOSED			
27		NORMALLY CLOSED			
28		NORMALLY CLOSED			
29		NORMALLY CLOSED			
30		NORMALLY CLOSED			
31		NORMALLY OPEN			
32		NORMALLY OPEN			
33		NORMALLY CLOSED			
34		NORMALLY CLOSED			
35		NORMALLY OPEN			
36		NORMALLY CLOSED			
37		NORMALLY CLOSED			
38		NORMALLY CLOSED			
39		NORMALLY CLOSED			
40		NORMALLY CLOSED			
41		NORMALLY CLOSED			
42		NORMALLY CLOSED			
43		NORMALLY CLOSED			
			(SPOOLED)		
44		NORMALLY CLOSED			
45		NORMALLY CLOSED			

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.



JBPHH Fleet Logistics Center
Operations Order F-76 Pipeline Drain
Down Baseline OPORD
(Date OCT22)

Document No:	U005A
Revision No:	1.0
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46	(b) (3) (B)	NORMALLY CLOSED		
47		NORMALLY CLOSED		
48		NORMALLY CLOSED		
49		NORMALLY CLOSED		
50		NORMALLY CLOSED		
51		NORMALLY CLOSED (SPOOLED)		
52		NORMALLY CLOSED		
53		NORMALLY CLOSED		
54		NORMALLY CLOSED		
55		NORMALLY CLOSED		
56		NORMALLY CLOSED		
57		NORMALLY CLOSED (SPOOLED)		
58		NORMALLY CLOSED		
59		NORMALLY CLOSED		
60		NORMALLY CLOSED		
61		NORMALLY CLOSED		
(*) – Denotes Manual Valve				
All (b) (3) (B) Valves are OPEN for thermal expansion				

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U005A
	Operations Order F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	6 of 8

____/____/____ 20. After completion of the Baseline Operations Order (OPORD):

- CRO and Rover:** Print, sign and date at the bottom of the OPORD validates motor operated valves (MOVs)
- CRO:** Ensure Baseline OPORD is provide to SoW for validation at the Watch Team Brief

Validation Baseline Inspection Completed by:

Rover #1 (Print, Sign, Date)

CRO (Print, Sign, Date)


____/____/____ 30. **SoW:** Validate Baseline configuration OPORD and verify terminal is ready to conduct fueling operation

SoW (Print, Sign, Date)

NOTE: If the Operations Order was completed with NO issues and NO changes, file should be placed in the completed Operations Order box.

NOTE: If the Operations Order was completed WITH issues or WITH changes, ensure the appropriate process was followed and signed off on for the change or issue. File this modified copy in the Operations Order modified box

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U005A
	Operations Order F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	7 of 8

Operations Order Closeout:

Select the appropriate statement below

Statement or Order	CRO Initial
This order was executed as written without any changes.	
This order was executed with changes as marked and approved on the order	

NOTE: If the order required approved modification, the CRO to sign, date and forward for final approval and archiving.

NOTE: The Supervisory Distribution Facilities Specialist (SDFS) will pick all Operations Orders up at the end of the day at the Control Room.

_____ CRO _____ Date

- The CRO to forward this procedure to the Supervisory Distribution Facilities Specialist

_____ Supervisory Distribution Facilities Specialist (SDFS) _____ Date

- The SDFS to forward this order to the Deputy Director of Fuels

_____ Deputy Director of Fuels _____ Date


ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center Operations Order F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Document No:	U005A
		Revision No:	1.0
		Page No:	8 of 8

REVISION HISTORY

Revision Number	Description of Change	Technical Basis	Requested By	Approved By	Revision Date	Effective Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center Operations Order YON (b) (6) F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Document No:	U005B
		Revision No:	1.0
		Page No:	1 of 8

Reviewed By: (b) (6) – (b) (4) Engineer


Reviewed By: (b) (6) – Operations Supervisor

Reviewed By: (b) (6) – Fuels Operations Director

Approved By: LCDR (b) (6) – Deputy Fuels Director

(b) (6) Digitally signed by
(b) (6)
Date: 2022.09.27 22:38:36 -10'00'

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U005B
	Operations Order YON (b) (3) (B) F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	2 of 8

EVOLUTION START DATE: _____

CONTROL ROOM INITIALS (MASTER COPY): _____

FIELD COPY INITIALS: _____

EVOLUTION ORDER

1. DFSP JBPHH conducts F-76 unpacking operations from Red Hill to Pearl Harbor to provide drain down of the F-76 Pipeline from Lower Tank Gallery Area to (b) (3) (B) with a fuel estimation of 250,000 gallons

NOTE: This Operations Order will provide the information to safely perform the following Operations Order

BASELINE – VALVE ALIGNMENT VERIFICATION

DATE TIME INITIALS

____ / ____ / ____ 10.

A terminal valve verification must be conducted prior to execution of any operation by following the procedures

- YON PIC & YON 2nd PIC (IV) validates manual valves
 - Comparison by in the field verification of the baseline position to current position, by writing in the “current position” of the valve with the time of validation

NOTE: Validation of valves will be verified by comparing baseline position to current position, while conducting valve validation inspection, if a valve is **NOT** in the **BASELINE** position, inform **CRO** immediately and bring to attention of **SoW** in morning briefing

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.




JBPHH Fleet Logistics Center
Operations Order YON (b)(3)(B) F-76 Pipeline
Drain Down Baseline OPORD
(Date OCT22)

Document No:	U005B
Revision No:	1.0
Page No:	3 of 8

YON (b)(3)(B) Valve Thermal Baseline					
Sequential Number	Valves Verified	Location	Baseline Position	Current Position	Time
1	(b) (3) (B)		NORMALLY CLOSED		/
2			NORMALLY CLOSED		/
3			NORMALLY OPEN		/
4			NORMALLY CLOSED		/
5			NORMALLY CLOSED		/
6			NORMALLY CLOSED		/
7			NORMALLY CLOSED		/
8			NORMALLY CLOSED		/
9			NORMALLY CLOSED		/
10			NORMALLY CLOSED		/
11			NORMALLY OPEN		/
12			NORMALLY OPEN		/
13			NORMALLY OPEN		/
14			NORMALLY OPEN		/
15			NORMALLY CLOSED (BLINDED)		/
16			NORMALLY CLOSED		/
17			NORMALLY CLOSED		/
18			NORMALLY OPEN		/

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U005B
	Operations Order YON (b) (3) (B) F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
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(*) – Denotes Manual Valve


All six (6) Valves are **OPEN** for thermal expansion

- Verify all (b) (3) (B) void/rake hatches (depicted on Enclosure (1)) are **CLOSED**
- Verify and report to CRO the following (b) (3) (B) tank hatches (depicted on Enclosure (1)) are **CLOSED**

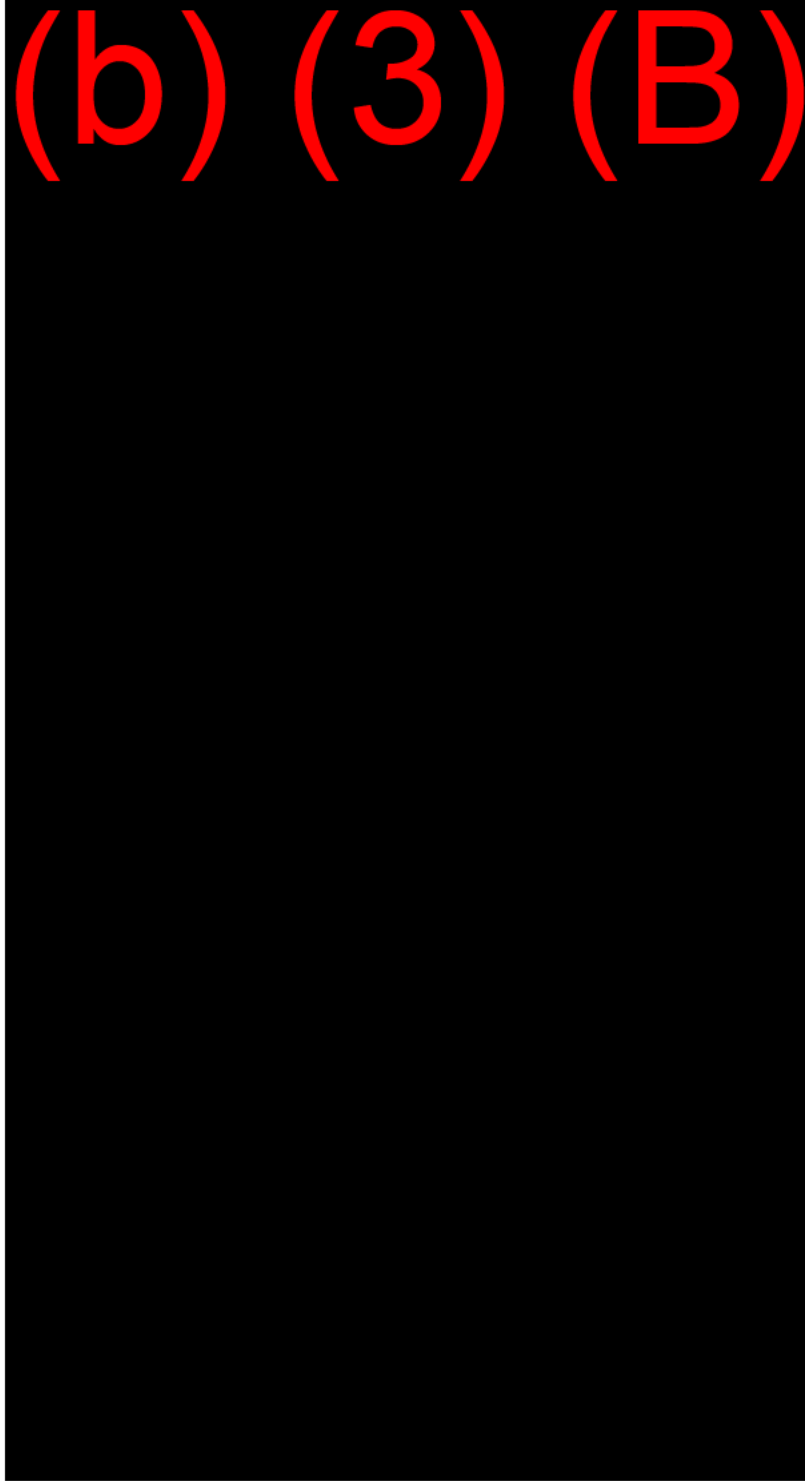
YON (b) (3) (B) Valve Thermal Baseline					
Sequential Number	Hatch Verified	Location	Baseline Position	Current Position	Time
1	(b) (3) (B)			NORMALLY CLOSED	/
2	(b) (3) (B)			NORMALLY CLOSED	/
3	(b) (3) (B)			NORMALLY CLOSED	/
4	(b) (3) (B)			NORMALLY CLOSED	/
5	(b) (3) (B)			NORMALLY CLOSED	/
6	(b) (3) (B)			NORMALLY CLOSED	/
7	(b) (3) (B)			NORMALLY CLOSED	/
8	(b) (3) (B)			NORMALLY CLOSED	/
9	(b) (3) (B)			NORMALLY CLOSED	/
10	(b) (3) (B)			NORMALLY CLOSED	/

(*) – Denotes Manual Valve

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	JBPHH Fleet Logistics Center	Document No:	U005B
	Operations Order YON^{(b) (3) (B)} F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	5 of 8

YON^{(b) (3) (B)} – Hatch Locations



Enclosure (1)

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	JBPHH Fleet Logistics Center	Document No:	U005B
	Operations Order YON [REDACTED] F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	6 of 8

____/____/____ 20. After completion of the Baseline Operations Order (OPORD):

- YON PIC & YON 2nd PIC (IV) Print, sign and date at the bottom of the OPORD

Validation Baseline Inspection Completed by:

YON PIC (Print, Sign, Date)

YON 2ND PIC (Print, Sign, Date)


____/____/____ 30. **SoW:** Validate Baseline configuration OPORD and verify terminal is ready to conduct fueling operation

SoW (Print, Sign, Date)

NOTE: If the Operations Order was completed with NO issues and NO changes, file should be placed in the completed Operations Order box.

NOTE: If the Operations Order was completed WITH issues or WITH changes, ensure the appropriate process was followed and signed off on for the change or issue. File this modified copy in the Operations Order modified box

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	JBPHH Fleet Logistics Center	Document No:	U005B
	Operations Order YON [REDACTED] F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
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Operations Order Closeout:

Select the appropriate statement below

Statement or Order	CRO Initial
This order was executed as written without any changes.	
This order was executed with changes as marked and approved on the order	

NOTE: If the order required approved modification, the CRO to sign, date and forward for final approval and archiving.

NOTE: The Supervisory Distribution Facilities Specialist (SDFS) will pick all Operations Orders up at the end of the day at the Control Room.

_____ CRO _____ Date


- The CRO to forward this procedure to the Supervisory Distribution Facilities Specialist

_____ Supervisory Distribution Facilities Specialist (SDFS) _____ Date

- The SDFS to forward this order to the Deputy Director of Fuels

_____ Deputy Director of Fuels _____ Date

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	JBPHH Fleet Logistics Center	Document No:	U005B
	Operations Order YON [REDACTED] F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	8 of 8

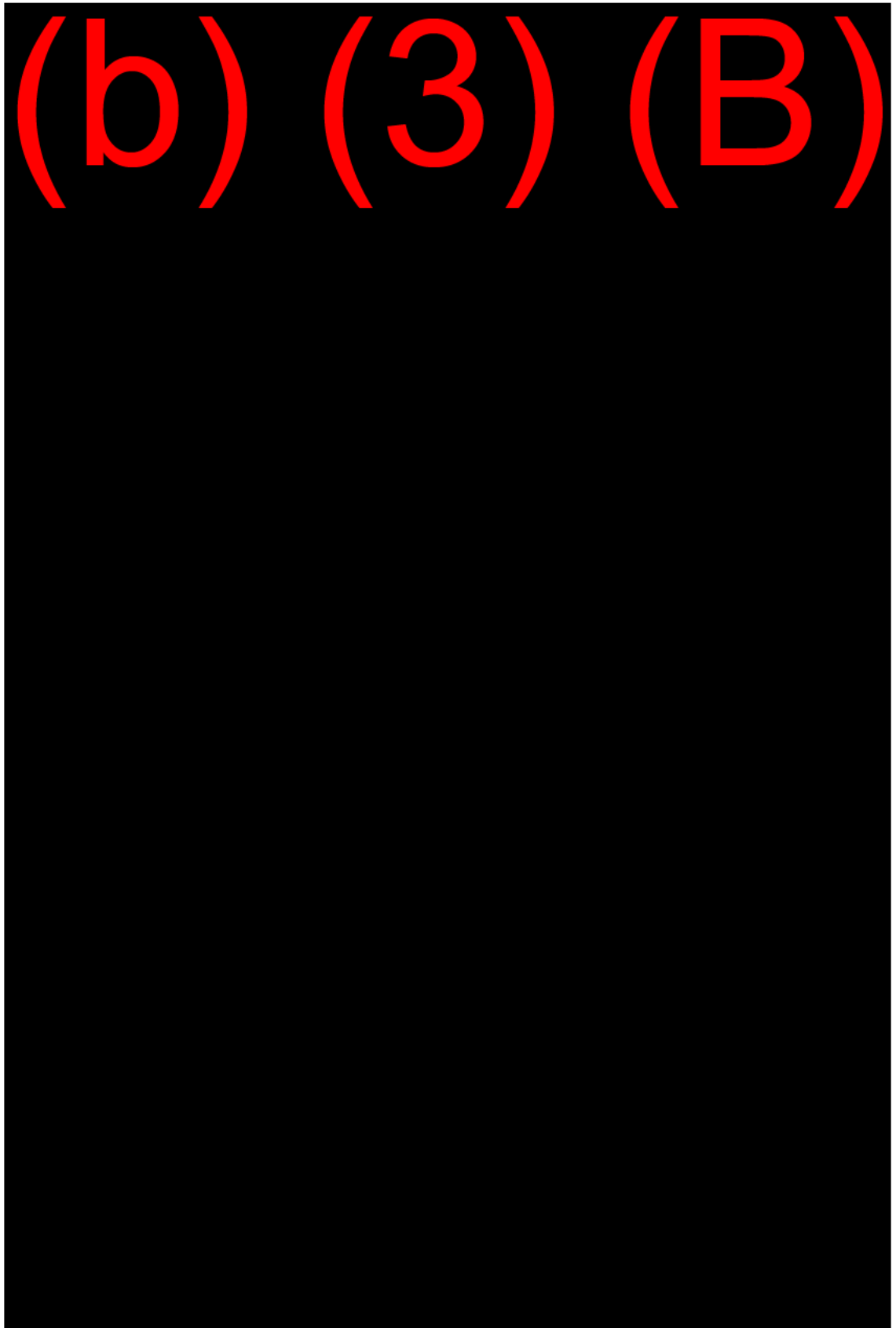
REVISION HISTORY

Revision Number	Description of Change	Technical Basis	Requested By	Approved By	Revision Date	Effective Date

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(b) (3) (B)





(b) (3) (B)


Authored By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to YON^{(b) (6)} via Gravity	Doc #: U006 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

Reviewed By: (b) (6) – (b) (4) Engineer

Reviewed By: (b) (6) – Operations Supervisor

Reviewed By: (b) (6) – Fuels Operations Director

Approved By: LCDR (b) (6) – Deputy Fuels Director

 Digitally signed by
 (b) (6)
 Date: 2022.09.27 22:39:09 -10'00'

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Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to YON (b) (3) (6) via Gravity	Doc #: U006 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

EVOLUTION START DATE: _____

CONTROL ROOM INITIALS (MASTER COPY): _____

FIELD COPY INITIALS: _____

EVOLUTION ORDER

1. This Operations Order ONLY details **Phase 3, Gravity Drain**, of the ‘F-76 Unpacking Process’.
2. DFSP JBPHH conducts unpacking operations from the Red Hill F-76 Pipeline to YON (b) (3) (6) to vacate F-76 pipeline of ~372,979 gallons.

Issue Source	Receipt Tank	Volume	Deputy Director of Fuels Initial
RH F-76 Pipeline	YON (b) (3) (6)		

WARNING: In the case of an emergency, take the following steps:

1. Take immediate action to shut the nearest valve to prevent the movement of fuel;
2. Notify the CRO;
3. Reference the ICP plan for further instruction.

REFERENCES

1. Operations, Maintenance, Environmental, and Safety Plan (OMES), Dated August 2018
2. MIL – STD 3004-1: Department of Defense Standard Practice Quality Assurance for Bulk Fuels, Lubricants and Related Products
3. Integrated Contingency Plan (ICP), Date August 2018

ENCLOSURES

- Enclosure (1): Flow Diagram
Enclosure (2): Terminal Pier PIC Checklist

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Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

OPERATIONAL ORDER START

CAUTION: If a deviation or modification is needed in this order, the CRO must obtain proper approval for the change following the Change Request Form at the rear of this document.

NOTE: A valve baseline must be conducted prior to the execution of this Operations Order.

SECTION 1 – MUSTER

DATE TIME INITIALS

____/____/____ 10. **SoW:** Conduct a Muster to ensure all assigned personnel are in attendance for the brief.

Zone Assignment	Personnel Assignments	Name	Call Sign
Control Room	SoW		
Control Room	CRO		
Control Room	Assistant CRO		
Lower Tank Gallery	Work Supervisor RH		
Hotel Pier	Work Supervisor PH		
HPV TK (b) (3) (B)	Work Lead RH		
Zone 1	Rover #1 Lower Tank Gallery		
Zone 2	Rover #2 TK (b) (3) (B)		
Zone 3	Rover #3 Lower Tank Gallery		
Zone 4	Rover #4 Lower Tank Gallery (b) (3) (B)		
Zone 5	Rover #5 (b) (3) (B)		
Zone 6	Rover #6 (b) (3) (B)		
Zone 7	Rover #7 (b) (3) (B)		
Zone 8	Rover #8 (b) (3) (B)		
Zone 9	Rover #9 (b) (3) (B)		
Zone 10	Rover #10 (b) (3) (B)		
Zone 11	Rover #11 Pipe Rack		
Zone 12	Rover #12 (b) (3) (B)		
Zone 13	Rover #13 Hotel Pier		
Zone 14	Rover #14 Hotel Pier		
Hotel Pier	Pier PIC		
Hotel Pier	Assistant Pier PIC		
Hotel Pier	Vac Truck Operator		
YON (b) (3) (B)	YON PIC		
YON (b) (3) (B)	Assistant YON PIC		
YON (b) (3) (B)	YON Assistant		
RH Skillet TK (b) (3) (B)	RH Independent Validator		
Hotel Pier	PH Independent Validator		

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Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 2 – PRE-BRIEF

DATE TIME INITIALS

____ / ____ / ____ 20. **SoW:** Confirm the following procedures are complete IOT conduct Phase 3: F-76 Pipeline Drain Down:

- Phase 2: Maintenance Order/Pressure Equalization has been completed and operating conditions are acceptable to proceed.
- Baseline Operations Orders is completed and validated accurate (Doc# 006A).

____ / ____ / ____ 30. **WS:** Confirm and assign required personnel needed for this Operations Order.

____ / ____ / ____ 40. **CRO:** Verify the following procedures have been completed.

- Valve baseline matches current AFHE configuration
- SDS and ICP are on-hand and updated
- Ullage in YON (b) (3) (6) is greater than ~485,241 gallons for transfer (110% of transfer amount)

Receiving Tank	Start Level (Ft/In)	Start Ullage (Gal)	CRO Initials	Assistant CRO Initials	Time
YON (b) (3) (6)					

____ / ____ / ____ 50. **YON PIC:** Prepare/provide the following required paperwork:

- Operation Orders
- C700 Operations Notification Flow Chart
- Barge and Ullage Report

____ / ____ / ____ 60. **CRO:** Prepare/provide the following required paperwork:

- Tank Inventory Control Daily Levels
- Transfer Record

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Authored By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to YON^{(b) (3) (6)} via Gravity	Doc #: U006 Rev No. 1
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SECTION 3 – WATCH TEAM BRIEF

DATE TIME INITIALS

____ / ____ / ____ 70. **SoW:** Lead the brief in the (b) (3) (6) Control Room to include:

- Operational Procedures/Priorities
- Operational Expectations
- Integrated Contingency Plan

____ / ____ / ____ 80. **SoW:** Step through operations order and address any questions.

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Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 4 – PRE-OPERATION CHECK

DATE TIME INITIALS

____ / ____ / ____ 90. **YON PIC:** Ensure all procedures are completed prior to executing F-76 Drain Down Operations:

- Report Time of YON Crew _____
- Thermal Baseline Verified

____ / ____ / ____ 100. **Terminal PIC:** Ensure all procedures are completed prior to executing F-76 Drain Down Operations:

- Terminal Pier PIC Checklist
- Verify Fuel Riser Utilized _____
- Verify Amount being Transferred _____

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Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 5 – VALVE ALIGNMENT

DATE TIME INITIALS

____ / ____ / ____ 110. **All Assigned Personnel:** Report to designated zones and conduct radio communications check with CRO.

Zone Assignment	Personnel Assignments	Call Sign	Report Time
Control Room	SoW		
Control Room	CRO		
Control Room	Assistant CRO		
Lower Tank Gallery	Work Supervisor RH		
Hotel Pier	Work Supervisor PH		
HPV TK (b) (3) (B)	Work Lead RH		
Zone 1	Rover #1 Lower Tank Gallery		
Zone 2	Rover #2 TK (b) (3) (B)		
Zone 3	Rover #3 Lower Tank Gallery		
Zone 4	Rover #4 Lower Tank Gallery (b) (3) (B)		
Zone 5	Rover #5 (b) (3) (B)		
Zone 6	Rover #6 (b) (3) (B)		
Zone 7	Rover #7 (b) (3) (B)		
Zone 8	Rover #8 (b) (3) (B)		
Zone 9	Rover #9 (b) (3) (B)		
Zone 10	Rover #10 (b) (3) (B)		
Zone 11	Rover #11 Pipe Rack		
Zone 12	Rover #12 (b) (3) (B)		
Zone 13	Rover #13 Hotel Pier		
Hotel Pier	Pier PIC		
Hotel Pier	Assistant Pier PIC		
Hotel Pier	Vac Truck Operator		
YON (b) (3) (B)	YON PIC		

____ / ____ / ____ 120. **YON PIC:** Direct Hose Movement and Connection:

- Transfer Hose from YON to Hotel Pier
- Connect and secure hose to riser _____
- Line-up YON for receiving, keeping header valve **CLOSED**
- Inform CRO that connection has been completed

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Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

- ___ / ___ / ___ 130. **CRO:** Request permission to start the F-76 Drain Down Valve Alignment:
- CRO to SoW**
 - SoW to Fuels Director**
 - Fuels Director to Command Officer**
- ___ / ___ / ___ 140. **RH PIC:** Ensure pressure on compound gauge at HPV is maintained between (b) (3) (B) psi throughout the operation.
- ___ / ___ / ___ 150. **CRO:** Direct RH WL to **OPEN** (b) (3) (B) .
- ___ / ___ / ___ 160. **CRO:** Use the table below to sequentially **OPEN** and validate the valves using the “point and call” system.
- ___ / ___ / ___ 170. **Rov/IV:** Validate valve alignment in the field and report valve position per **CRO** point and call request.

Sequential Number	Valves Verified OPEN	Location	CRO Initials	Assistant CRO Initials	Time Rover	Time Independent Validator
1	(b) (3) (B)					
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						

(*) Denotes manual valves.

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Authored By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH F-76 Unpacking to YON^{(b) (3) (B)} via Gravity	Doc #: U006 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		Effective Date: 09/26/2022
Date Approved: 09/26/2022		

____ / ____ / ____ 180. **YON PIC and IV:** Use the table below, align header, issue and meter valves and report to **CRO**

Sequential Number	Valves Verified OPEN	Location	CRO Initials	Assistant CRO Initials	Time Rover	Time Independent Validator
1	(b) (3) (B)					
2						
3						
(*) Denotes manual valves.						

____ / ____ / ____ 190. **Terminal PIC:** Ensure Pier is ready to “Receive” F-76 for Drain Down Operations:

- Vacuum Truck is positioned at Hotel Pier
- Spill Kits and Fire Extinguisher Available

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Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 5 – DRAINING

DATE TIME INITIALS

- ____ / ____ / ____ 200. **CRO:** Request permission to start the F-76 Drain Down:
- CRO to SoW**
 - SoW to Fuels Director**
 - Fuels Director to Command Officer**
- ____ / ____ / ____ 210. **CRO:** Complete the following procedures prior to pressurizing the hose:
- Verify valve alignment
 - Verify hose connection
 - Verify YON header valve is **CLOSED**
- ____ / ____ / ____ 220. **CRO:** Slowly **OPEN** (b) (3) (B) and (b) (3) (B).
- ____ / ____ / ____ 230. **Terminal PIC:** Slowly **OPEN** Fuel Riser/Station _____ / _____
- ____ / ____ / ____ 240. **CRO:** Inform Control Tower that YON loading will begin.

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Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

____/____/____ 250. **All Personnel:** Monitor zones for leaks, sheen, and abnormal conditions.

Zone Assignment	Personnel Assignments	Call Sign	Report Time
Control Room	SoW		
Control Room	CRO		
Control Room	Assistant CRO		
Lower Tank Gallery	Work Supervisor RH		
Hotel Pier	Work Supervisor PH		
HPV TK (b) (3) (B)	Work Lead RH		
Zone 1	Rover #1 Lower Tank Gallery		
Zone 2	Rover #2 TK (b) (3) (B)		
Zone 3	Rover #3 Lower Tank Gallery		
Zone 4	Rover #4 Lower Tank Gallery (b) (3) (B)		
Zone 5	Rover #5 (b) (3) (B)		
Zone 6	Rover #6 (b) (3) (B)		
Zone 7	Rover #7 (b) (3) (B)		
Zone 8	Rover #8 (b) (3) (B)		
Zone 9	Rover #9 (b) (3) (B) ^P		
Zone 10	Rover #10 (b) (3) (B) ^P		
Zone 11	Rover #11 Pipe Rack		
Zone 12	Rover #12 (b) (3) (B)		
Zone 13	Rover #13 Hotel Pier		
Hotel Pier	Pier PIC		
Hotel Pier	Assistant Pier PIC		
Hotel Pier	Vac Truck Operator		
YON (b) (3) (B)	YON PIC		

____/____/____ 260. **YON PIC:** After zone checks have been completed, slowly **OPEN** YON header valve and inform CRO start of transfer.

Sequential Number	Valves Verified OPEN	Location	CRO Initials	Assistant CRO Initials	Time Rover	Time Independent Validator
1	(b) (3) (B)					

____/____/____ 270. **CRO/RH WL:** Monitor pressure on compound gauge at HPV, throttling (b) (3) (B) as needed to reduce vacuum.

____/____/____ 280. **RH WL:** After (b) (3) (B) gal has drained, **OPEN** (b) (3) (B).

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Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

____ / ____ / ____ 290. **YON PIC:** Report to **CRO** and record YON levels half hourly.

Hour # (Time)	Tank Level	Current Amount(Gals)	CRO Initials	Assistant CRO Initials
.5 ()				
1 ()				
1.5 ()				
2 ()				
2.5 ()				
3 ()				
3.5 ()				
4 ()				
4.5 ()				
5 ()				

____ / ____ / ____ 300. **YON PIC:** Monitor **Flowrate** during the operation. When flow slows, inform **CRO** and prepare to stop operation.

____ / ____ / ____ 310. **CRO/YON PIC:** Once F-76 Operation head pressure has decreased and flow has ceased, **YON PIC** will **CLOSE** the **Hotel riser** ____ and **YON header valve**.

____ / ____ / ____ 320. **CRO:** Inform Control Tower that YON loading has ended.

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Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 6 – RETURN TO BASELINE

DATE TIME INITIALS

___ / ___ / ___ 330. **CRO:** Use the table below to sequentially **CLOSE** and validate the valves using the “point and call” system.

___ / ___ / ___ 340. **Rov/IV:** Validate valve alignment in the field and report valve position per **CRO** point and call request.

Sequential Number	Valves Verified CLOSE	Location	CRO Initials	Assistant CRO Initials	Time Rover	Time Independent Validator
1	(b) (3) (B)					
2						
1						
2						
3						
4						
5						
6						
7						
8						
9						

(*) Denotes manual valves

All F-76 Sectional Valves will remain **OPEN** from (b) (3) (B) to Red Hill Lower Tank Gallery.

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Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		Effective Date: 09/26/2022
Date Approved: 09/26/2022		

____ / ____ / ____ 350. **YON PIC & IV:** Use the table below to ensure YON Valves are **CLOSED** and **OPEN** IOT return YON (b) (3) (B) Valve baseline with thermal exception

Sequential Number	Valves Verified CLOSED	Location	CRO Initials	Assistant CRO Initials	Time Rover	Time Independent Validator
1	(b) (3) (B)					
2						
3						

(*) Denotes manual valves.

____ / ____ / ____ 360. **RH PIC/WL:** Report the following procedures have been completed and report to **CRO:**

- (b) (3) (B) **CLOSE**
- (b) (3) (B) **CLOSE**

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Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

____ / ____ / ____ 370. **All assigned personnel: Report zone condition to CRO.**

Zone Assignment	Personnel Assignments	Report Time	Status (Notes)
Control Room	SoW		
Control Room	CRO		
Control Room	Assistant CRO		
Lower Tank Gallery	Work Supervisor RH		
Hotel Pier	Work Supervisor PH		
HPV TK (b) (3) (B)	Work Lead RH		
Zone 1	Rover #1 Lower Tank Gallery		
Zone 2	Rover #2 TK (b) (3) (B)		
Zone 3	Rover #3 Lower Tank Gallery		
Zone 4	Rover #4 Lower Tank Gallery (b) (3) (B)		
Zone 5	Rover #5 (b) (3) (B)		
Zone 6	Rover #6 (b) (3) (B)		
Zone 7	Rover #7 (b) (3) (B)		
Zone 8	Rover #8 (b) (3) (B)		
Zone 9	Rover #9 (b) (3) (B) ^P		
Zone 10	Rover #10 (b) (3) (B) ^P		
Zone 11	Rover #11 Pipe Rack		
Zone 12	Rover #12 (b) (3) (B)		
Zone 13	Rover #13 Hotel Pier		
Hotel Pier	Pier PIC		
Hotel Pier	Assistant Pier PIC		
Hotel Pier	Vac Truck Operator		
YON (b) (3) (B)	YON PIC		

____ / ____ / ____ 380. **CRO: Ensure the follow procedures are completed and announce when complete:**

- F-76 path utilized is back to baseline configuration

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

This copy was printed on: 9/27/2022, 10:19:31 PM

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to YON (b) (3) (B) via Gravity	Doc #: U006 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 7 – CLOSEOUT

DATE TIME INITIALS

____ / ____ / ____ 390. **YON PIC:** Manually gauge receiving tank ~ one (1) hour after the final secure time of the F-76 operation and record/report final amount issued to **CRO**.

Receiving Tank	Finish Level (Ft/In)	Finish Level (Gal)	CRO Initials	Assitant CRO Initials	Time
(b) (3) (B)					

____ / ____ / ____ 400. **CROs:** Shall finalize and the following documents are completed and turned in at the main building, Pearl Harbor: B1757 at the end of the day:

- FLC Fuel Form 703-18, Transfer Record
- FLC Fuel Form 703-22, Tank Inventory Control Daily Levels
- FLC Fuel Form 703-24, Running Gauge Record

____ / ____ / ____ 410. **SoW:** verify the following the follow procedures have been completed:

- All procedures completed IAW OPORD
- Documentation is completed
- All information/signature blocks on operation order are filled in

____ / ____ / ____ 420. **SoW:** Notify Operational personnel that the operation is complete.

____ / ____ / ____ 430. **SoW:** Notify Fuels Director operation is complete.

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

This copy was printed on: 9/27/2022, 10:19:31 PM

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to YON^{(b) (3) (6)} via Gravity	Doc #: U006 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

Operations Order Closeout

Select the appropriate statement below:

Statement or Order	CRO Initial
This order was executed as written without any changes.	
This order was executed with changes as marked and approved on the order.	

NOTE: If the order required approved modification, the CRO to sign, date and forward for final approval and archiving.

NOTE: The Supervisory Distributive Facilities Specialist (SDFS) will pick all Operations Orders up at the end of the day at the Control Room.

_____ CRO _____ Date

- The CRO to forward this procedure to the Supervisory Distributive Facilities Specialist.

_____ Supervisory Distributive Facilities Specialist (SDFS) _____ Date

- The SDFS to forward this order to the Deputy Director of Fuels.

_____ Deputy Director of Fuels _____ Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

This copy was printed on: 9/27/2022, 10:19:31 PM


Authored By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH F-76 Unpacking to YON (b) (3) (6) via Gravity	Doc #: U006 Rev No. 1
Doc Custodian: Fuels Department		Unpack Operating Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

REVISION HISTORY

Revision Number	Description of Change	Technical Basis	Requested By	Approved By	Revision Date	Effective Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

This copy was printed on: 9/27/2022, 10:19:31 PM

	JBPHH Fleet Logistics Center	Document No:	U006A
	Operations Order F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	1 of 8

Reviewed By: (b) (6) – (b) (4) Engineer

Reviewed By: (b) (6) – Operations Supervisor

Reviewed By: (b) (6) – Fuels Operations Director

Approved By: LCDR (b) (6) – Deputy Fuels Director

(b) (6) Digitally signed by
(b) (6)
Date: 2022.09.27 22:39:45 -10'00'

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	JBPHH Fleet Logistics Center	Document No:	U006A
	Operations Order F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	2 of 8

EVOLUTION START DATE: _____

CONTROL ROOM INITIALS (MASTER COPY): _____

FIELD COPY INITIALS: _____

EVOLUTION ORDER

- DFSP JBPHH conducts F-76 unpacking operations from Red Hill to Pearl Harbor to provide drain down of the F-76 Pipeline from Lower Tank Gallery Area to (b) (3) (B) with a fuel estimation of 372,979 gallons

NOTE: This Operations Order will provide the information to safely perform the following Operations Order

BASELINE – VALVE ALIGNMENT VERIFICATION

DATE TIME INITIALS

____ / ____ / ____ 10. A terminal valve verification must be conducted prior to execution of any operation by following the procedures

- CRO validates motor operated valves (MOVs)
 - Comparison by AFHE in the baseline position to current position, by writing in the “current position” of the valve with the time of validation
- Rover validates manual valves
 - Comparison by in the field verification of the baseline position to current position, by writing in the “current position” of the valve with the time of validation

NOTE: Validation of valves will be verified by comparing baseline position to current position, while conducting valve validation inspection, if a valve is **NOT** in the **BASELINE** position, inform **CRO** immediately and bring to attention of **SoW** in morning briefing

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.



JBPHH Fleet Logistics Center
Operations Order F-76 Pipeline Drain
Down Baseline OPORD
(Date OCT22)

Document No:	U006A
Revision No:	1.0
Page No:	3 of 8

F-76 Valve Baseline from RH to Hotel Pier					
Sequential Number	Valves Verified	Location	Baseline Position	Current Position	Time
1	(b) (3) (B)		NORMALLY CLOSED		
2			NORMALLY CLOSED		
3			NORMALLY CLOSED		
4			NORMALLY CLOSED		
5			NORMALLY CLOSED		
6			NORMALLY CLOSED		
7			NORMALLY OPEN		
8			NORMALLY OPEN		
9			NORMALLY OPEN		
10			NORMALLY OPEN		
11			NORMALLY OPEN		
12			NORMALLY CLOSED		
13			NORMALLY CLOSED		
14			NORMALLY CLOSED		
15			NORMALLY CLOSED		
16			NORMALLY OPEN		
17			NORMALLY CLOSED		
18			NORMALLY OPEN		
19			NORMALLY CLOSED		
20			NORMALLY CLOSED		
21			NORMALLY CLOSED		

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.



JBPHH Fleet Logistics Center
Operations Order F-76 Pipeline Drain
Down Baseline OPORD
(Date OCT22)

Document No:	U006A
Revision No:	1.0
Page No:	4 of 8

22	(b) (3) (B)	NORMALLY CLOSED			
23		NORMALLY CLOSED			
24		NORMALLY CLOSED			
25		NORMALLY CLOSED			
26		NORMALLY CLOSED			
27		NORMALLY CLOSED			
28		NORMALLY CLOSED			
29		NORMALLY CLOSED			
30		NORMALLY CLOSED			
31		NORMALLY OPEN			
32		NORMALLY OPEN			
33		NORMALLY CLOSED			
34		NORMALLY CLOSED			
35		NORMALLY OPEN			
36		NORMALLY CLOSED			
37		NORMALLY CLOSED			
38		NORMALLY CLOSED			
39		NORMALLY CLOSED			
40		NORMALLY CLOSED			
41		NORMALLY CLOSED			
42		NORMALLY CLOSED			
43		NORMALLY CLOSED			
			(SPOOLED)		
44		NORMALLY CLOSED			
45		NORMALLY CLOSED			

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.




JBPHH Fleet Logistics Center
Operations Order F-76 Pipeline Drain
Down Baseline OPORD
(Date OCT22)

Document No:	U006A
Revision No:	1.0
Page No:	5 of 8

46	(b) (3) (B)	NORMALLY CLOSED		
47		NORMALLY CLOSED		
48		NORMALLY CLOSED		
49		NORMALLY CLOSED		
50		NORMALLY CLOSED		
51		NORMALLY CLOSED (SPOOLED)		
52		NORMALLY CLOSED		
53		NORMALLY CLOSED		
54		NORMALLY CLOSED		
55		NORMALLY CLOSED		
56		NORMALLY CLOSED		
57		NORMALLY CLOSED (SPOOLED)		
58		NORMALLY CLOSED		
59		NORMALLY CLOSED		
60		NORMALLY CLOSED		
61		NORMALLY CLOSED		
<p>(*) – Denotes Manual Valve</p> <p>All (b) (3) (B) Valves are OPEN for thermal expansion</p>				

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U006A
	Operations Order F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	6 of 8

- ____/____/____ 20. After completion of the Baseline Operations Order (OPORD):
- CRO and Rover:** Print, sign and date at the bottom of the OPORD validates motor operated valves (MOVs)
 - CRO:** Ensure Baseline OPORD is provide to SoW for validation at the Watch Team Brief

Validation Baseline Inspection Completed by:

Rover #1 (Print, Sign, Date)

CRO (Print, Sign, Date)


- ____/____/____ 30. **SoW:** Validate Baseline configuration OPORD and verify terminal is ready to conduct fueling operation

SoW (Print, Sign, Date)

NOTE: If the Operations Order was completed with NO issues and NO changes, file should be placed in the completed Operations Order box.

NOTE: If the Operations Order was completed WITH issues or WITH changes, ensure the appropriate process was followed and signed off on for the change or issue. File this modified copy in the Operations Order modified box

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U006A
	Operations Order F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	7 of 8

Operations Order Closeout:

Select the appropriate statement below

Statement or Order	CRO Initial
This order was executed as written without any changes.	
This order was executed with changes as marked and approved on the order	

NOTE: If the order required approved modification, the CRO to sign, date and forward for final approval and archiving.

NOTE: The Supervisory Distribution Facilities Specialist (SDFS) will pick all Operations Orders up at the end of the day at the Control Room.

_____ CRO _____ Date

- The CRO to forward this procedure to the Supervisory Distribution Facilities Specialist

_____ Supervisory Distribution Facilities Specialist (SDFS) _____ Date

- The SDFS to forward this order to the Deputy Director of Fuels

_____ Deputy Director of Fuels _____ Date


ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center Operations Order F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Document No:	U006A
		Revision No:	1.0
		Page No:	8 of 8

REVISION HISTORY

Revision Number	Description of Change	Technical Basis	Requested By	Approved By	Revision Date	Effective Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U006B
	Operations Order YON (b) (6) F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	1 of 8

Reviewed By: (b) (6) – (b) (4) Engineer


Reviewed By: (b) (6) – Operations Supervisor

Reviewed By: (b) (6) – Fuels Operations Director

Approved By: LCDR (b) (6) – Deputy Fuels Director


 Digitally signed by
 (b) (6)
 Date: 2022.09.27 22:40:21
 -10'00'

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U006B
	Operations Order YON (b) (3) (B) F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	2 of 8

EVOLUTION START DATE: _____

CONTROL ROOM INITIALS (MASTER COPY): _____

FIELD COPY INITIALS: _____

EVOLUTION ORDER

1. DFSP JBPHH conducts F-76 unpacking operations from Red Hill to Pearl Harbor to provide drain down of the F-76 Pipeline from Lower Tank Gallery Area to (b) (3) (B) with a fuel estimation of 372,979 gallons

NOTE: This Operations Order will provide the information to safely perform the following Operations Order

BASELINE – VALVE ALIGNMENT VERIFICATION

DATE TIME INITIALS

____ / ____ / ____ 10.

A terminal valve verification must be conducted prior to execution of any operation by following the procedures

- YON PIC & YON 2nd PIC (IV) validates manual valves
 - Comparison by in the field verification of the baseline position to current position, by writing in the “current position” of the valve with the time of validation

NOTE: Validation of valves will be verified by comparing baseline position to current position, while conducting valve validation inspection, if a valve is **NOT** in the **BASELINE** position, inform **CRO** immediately and bring to attention of **SoW** in morning briefing

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.




JBPHH Fleet Logistics Center
Operations Order YON (b) (3) (B) F-76 Pipeline
Drain Down Baseline OPORD
(Date OCT22)

Document No:	U006B
Revision No:	1.0
Page No:	3 of 8

YON (b) (3) (B) Valve Thermal Baseline					
Sequential Number	Valves Verified	Location	Baseline Position	Current Position	Time
1	(b) (3) (B)		NORMALLY CLOSED		/
2			NORMALLY CLOSED		/
3			NORMALLY OPEN		/
4			NORMALLY CLOSED		/
5			NORMALLY CLOSED		/
6			NORMALLY CLOSED		/
7			NORMALLY CLOSED		/
8			NORMALLY CLOSED		/
9			NORMALLY CLOSED		/
10			NORMALLY CLOSED		/
11			NORMALLY OPEN		/
12			NORMALLY OPEN		/
13			NORMALLY OPEN		/
14			NORMALLY OPEN		/
15			NORMALLY CLOSED (BLINDED)		/
16			NORMALLY CLOSED		/
17			NORMALLY CLOSED		/
18			NORMALLY OPEN		/

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U006B
	Operations Order YON (b) (3) (B) F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	4 of 8

(*) – Denotes Manual Valve


All six (6) Valves are **OPEN** for thermal expansion

- Verify all (b) (3) (B) void/rake hatches (depicted on Enclosure (1)) are **CLOSED**
- Verify and report to CRO the following (b) (3) (B) tank hatches (depicted on Enclosure (1)) are **CLOSED**

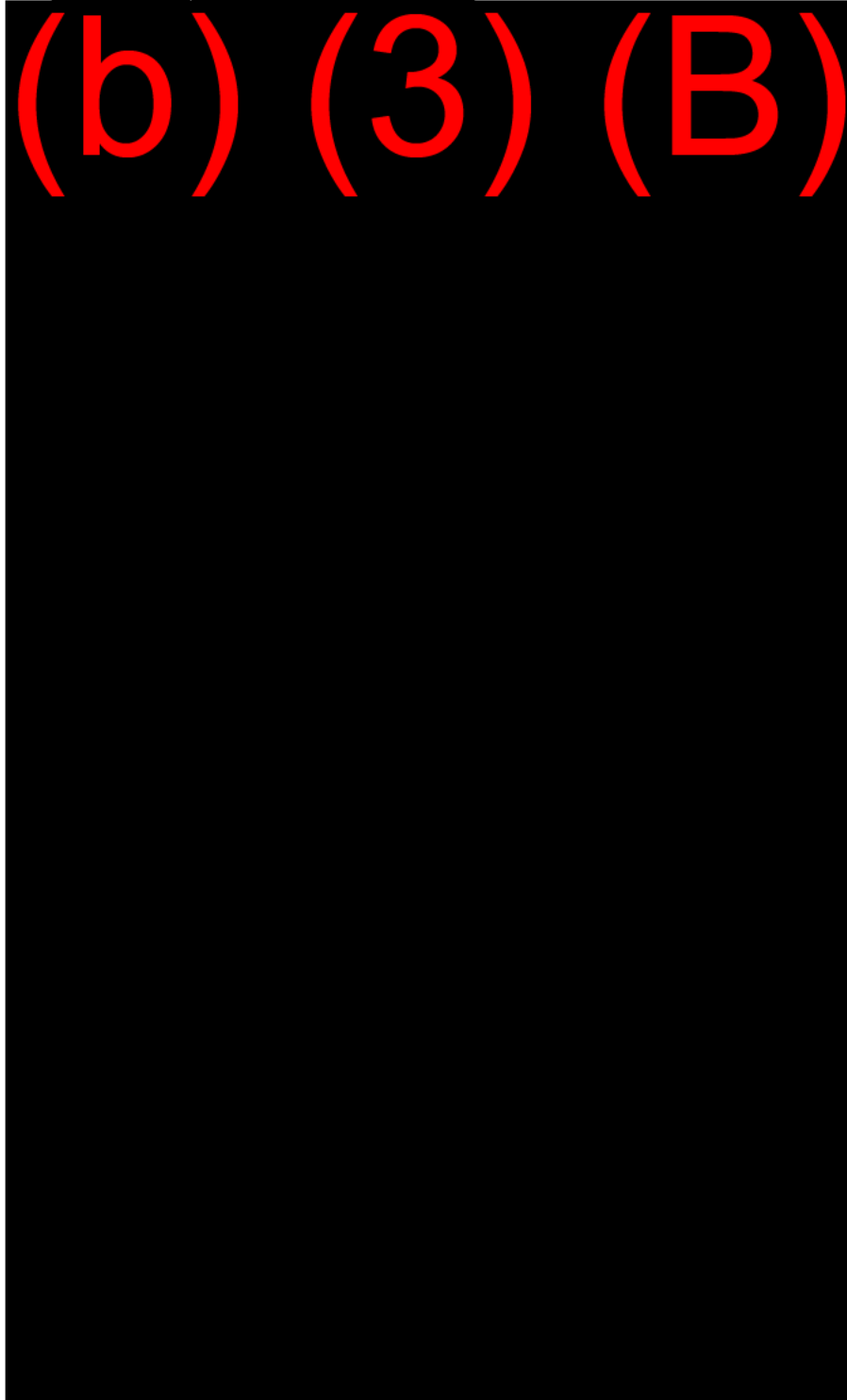
YON (b) (3) (B) Valve Thermal Baseline					
Sequential Number	Hatch Verified	Location	Baseline Position	Current Position	Time
1	(b) (3) (B)			NORMALLY CLOSED	/
2	(b) (3) (B)			NORMALLY CLOSED	/
3	(b) (3) (B)			NORMALLY CLOSED	/
4	(b) (3) (B)			NORMALLY CLOSED	/
5	(b) (3) (B)			NORMALLY CLOSED	/
6	(b) (3) (B)			NORMALLY CLOSED	/
7	(b) (3) (B)			NORMALLY CLOSED	/
8	(b) (3) (B)			NORMALLY CLOSED	/
9	(b) (3) (B)			NORMALLY CLOSED	/
10	(b) (3) (B)			NORMALLY CLOSED	/

(*) – Denotes Manual Valve

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.


	JBPHH Fleet Logistics Center	Document No:	U006B
	Operations Order YON^{(b) (5) (E)} F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	5 of 8

YON^{(b) (5) (E)} – Hatch Locations



Enclosure (1)

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U006B
	Operations Order YON [REDACTED] F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	6 of 8

____/____/____ 20. After completion of the Baseline Operations Order (OPORD):

- YON PIC & YON 2nd PIC (IV) Print, sign and date at the bottom of the OPORD

Validation Baseline Inspection Completed by:

YON PIC (Print, Sign, Date)

YON 2ND PIC (Print, Sign, Date)


____/____/____ 30. **SoW:** Validate Baseline configuration OPORD and verify terminal is ready to conduct fueling operation

SoW (Print, Sign, Date)

NOTE: If the Operations Order was completed with NO issues and NO changes, file should be placed in the completed Operations Order box.

NOTE: If the Operations Order was completed WITH issues or WITH changes, ensure the appropriate process was followed and signed off on for the change or issue. File this modified copy in the Operations Order modified box

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center	Document No:	U006B
	Operations Order YON [REDACTED] F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	7 of 8

Operations Order Closeout:

Select the appropriate statement below

Statement or Order	CRO Initial
This order was executed as written without any changes.	
This order was executed with changes as marked and approved on the order	

NOTE: If the order required approved modification, the CRO to sign, date and forward for final approval and archiving.

NOTE: The Supervisory Distribution Facilities Specialist (SDFS) will pick all Operations Orders up at the end of the day at the Control Room.

_____ CRO _____ Date


- The CRO to forward this procedure to the Supervisory Distribution Facilities Specialist

_____ Supervisory Distribution Facilities Specialist (SDFS) _____ Date

- The SDFS to forward this order to the Deputy Director of Fuels

_____ Deputy Director of Fuels _____ Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center Operations Order YON [REDACTED] F-76 Pipeline Drain Down Baseline OPORD (Date OCT22)	Document No:	U006B
		Revision No:	1.0
		Page No:	8 of 8

REVISION HISTORY

Revision Number	Description of Change	Technical Basis	Requested By	Approved By	Revision Date	Effective Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

(b) (3) (B)



(b) (3) (B)



(b) (3) (B)

Authored By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to (b) (6) via AODD Pump	Doc #: U007 Rev No. 1
Doc Custodian: Fuels Department		Pump Unpacking Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

Reviewed By: (b) (6) – (b) (4) Engineer

Reviewed By: (b) (6) – Operations Supervisor

Reviewed By: (b) (6) – Fuels Operations Director

Approved By: LCDR (b) (6) – Deputy Fuels Director

(b) (6) Digitally signed by (b) (6)
Date: 2022.09.27 22:41:40 -10'00'

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U007 Rev No. 1
Doc Custodian: Fuels Department		Pump Unpacking Operations Order
Approved By: LCDR (b) (6)		Effective Date: 09/26/2022
Date Approved: 09/26/2022		

EVOLUTION START DATE: _____

CONTROL ROOM INITIALS (MASTER COPY): _____

FIELD COPY INITIALS: _____

EVOLUTION ORDER

1. This Operations Order ONLY details procedures for **Phase 4, Suction Unpack**, of the 'F-76 Unpacking Process.'
2. DFSP JBPHH conducts batch vacuuming operations from the Red Hill F-76 Pipeline to Tank (b) (3) (B) to vacate F-76 pipeline of ~68,149 gallons remaining to empty pipeline to (b) (3) (B).

Issue Source	Receipt Tank	Volume/Quantity (Gals)	Deputy Director of Fuels Initial
RH F-76 Pipeline	(b) (3) (B)		

WARNING: In the case of an emergency, take the following steps:

1. Take immediate action to shut the nearest valve to prevent the movement of fuel;
2. Notify the CRO;
3. Reference the ICP plan for further instruction.

REFERENCES

1. Operations, Maintenance, Environmental, and Safety Plan (OMES), Dated August 2018
2. MIL – STD 3004-1: Department of Defense Standard Practice Quality Assurance for Bulk Fuels, Lubricants and Related Products
3. Integrated Contingency Plan (ICP), Date August 2018

ENCLOSURES

Enclosure (1): Flow Diagram

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U007 Rev No. 1
Doc Custodian: Fuels Department		Pump Unpacking Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

OPERATIONS ORDER START

CAUTION: If a deviation or modification is needed in this order, the CRO must obtain proper approval for the change following the Change Request Form at the rear of this document.

NOTE: A valve baseline must be conducted prior to the execution of this Operations Order.

SECTION 1 – MUSTER

DATE TIME INITIALS

____ / ____ / ____ 10. **SoW:** Conduct a Muster to ensure all assigned personnel are in attendance for the upcoming brief.

Zone Assignment	Personnel Assignments	Name(s)	Call Sign
Control Room	SoW		
Control Room	CRO		
Control Room	Assistant CRO		
(b) (3) (B) and (b) (3) (B) ^P	Work Supervisor (b) (3) (B) (WS)		
RH (b) (3) (B)	Work Lead RH (RH WL)		
(b) (3) (B) and (b) (3) (B) ^P	Work Lead PH (PH WL)		
(b) (3) (B) and (b) (3) (B)	Pump Operator (PO)		
(b) (3) (B) and (b) (3) (B) ^P	Assistant Pump Operator		
Zone 1	Rover #1 Lower Tank Gallery		
Zone 2	Rover #2 RH (b) (3) (B)		
Zone 3	Rover #3 (b) (3) (B)		
Zone 4	Rover #4 (b) (3) (B)		
Zone 5	Rover #5 (b) (3) (B)		
Zone 6	Rover #6 (b) (3) (B)		
Zone 7	Rover #7 (b) (3) (B) ^P		
Zone 8	Rover #8 (b) (3) (B)		
Zone 9	Rover #9 TK (b) (3) (B)		
RH (b) (3) (B)	Independent Validator RH		
(b) (3) (B)	Independent Validator PH		
(b) (3) (B) ^P	Independent Validator PH		

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U007 Rev No. 1
Doc Custodian: Fuels Department		Pump Unpacking Operations Order
Approved By: LCDR (b) (6)		Effective Date: 09/26/2022
Date Approved: 09/26/2022		

SECTION 2 – PRE-BRIEF

DATE TIME INITIALS

- ___/___/___ 20. **SoW:** Confirm Phase 3, Drain Down Operations Order has been completed and operating conditions are acceptable to proceed.
- ___/___/___ 30. **WS/WL:** Confirm and assign required personnel needed for this Operations Order.
- ___/___/___ 40. **CRO:** Verify following AFHE readings:
- Valve baseline matches current AFHE configuration
 - SDS and ICP all on-hand and updated
 - Ullage in receiving tank (b) (3) (B) is greater than ~74,964 gallons for transfer. (110% of transfer amount)

Asset Location	Start Level (Ft/In)	Start Ullage (Gal)	CRO Initials	Assistant CRO Initials	Time
(b) (3) (B)					

HCK Tank	High Op Limit Level (Ft/In)	High Op Limit Level (Gal)
TK (b) (3) (B)	(b) (3) (B)	(b) (3) (B)

NOTE: If there is a discrepancy from the AFHE to the last manual gauge that is +/- 3/16", inform Fuel Operations Supervisor before proceeding.

- ___/___/___ 50. **VS-1C WS:** Have the following required paperwork on hand:
- Operation Order
 - C700 Operations Notification Flow Chart

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authored By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to (b) (6) via AODD Pump	Doc #: U007 Rev No. 1
Doc Custodian: Fuels Department		Pump Unpacking Operations Order
Approved By: LCDR (b) (6)		Effective Date: 09/26/2022
Date Approved: 09/26/2022		

SECTION 3 – WATCH TEAM BRIEF

DATE TIME INITIALS

___ / ___ / ___ 60. **SoW:** Lead the brief in the 1757 Meeting Room to include:

- Operational Expectations
- Operational Priorities
- Integrated Contingency Plan (ICP), Date August 2018

___ / ___ / ___ 70. **SoW:** Step through operations order and address any questions.

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U007 Rev No. 1
Doc Custodian: Fuels Department		Pump Unpacking Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 4 - VALVE ALIGNMENT

DATE TIME INITIALS

___ / ___ / ___ 80.

All Assigned Personnel: Report to their designated zones and conduct radio communications check with CRO.

Zone Assignment	Personnel Assignments	Report Time
Control Room	SoW	
Control Room	CRO	
Control Room	Assistant CRO	
(b) (3) (B) and (b) (3) (B) ^P	Work Supervisor (b) (3) (B) ^P	
RH (b) (3) (B)	Work Lead RH	
(b) (3) (B) and (b) (3) (B) ^P	Work Lead PH	
(b) (3) (B) and (b) (3) (B)	Pump Operator	
(b) (3) (B) and (b) (3) (B) ^P	Assistant Pump Operator	
Zone 1	Rover #1 Lower Tank Gallery	
Zone 2	Rover #2 RH (b) (3) (B)	
Zone 3	Rover #3 (b) (3) (B)	
Zone 4	Rover #4 (b) (3) (B)	
Zone 5	Rover #5 (b) (3) (B)	
Zone 6	Rover #6 (b) (3) (B)	
Zone 7	Rover #7 (b) (3) (B)	
Zone 8	Rover #8 (b) (3) (B) ^P	
Zone 9	Rover #9 TK (b) (3) (B)	
RH HPV (b) (3) (B)	Independent Validator RH	
(b) (3) (B)	Independent Validator PH	
(b) (3) (B) ^P	Independent Validator PH	

___ / ___ / ___ 90.

(b) (3) (B) WS: Complete the following procedures and report to the **CRO**:

- Confirm hose inspection and gaskets are ready for instillation
- Inspect Compressor and air lines are in working condition
- Inspect Pump, ensuring that pump is properly secured to prevent movement
- Confirm that compressor and pump are ready for operation

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH F-76 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U007 Rev No. 1
Doc Custodian: Fuels Department		Pump Unpacking Operations Order
Approved By: LCDR (b) (6)		Effective Date: 09/26/2022
Date Approved: 09/26/2022		

- ___ / ___ / ___ 100. **RH WL:** Ensure pressure at the HPV is maintained between (b) (3) (B) and (b) (3) (B) psi on the compound gauge throughout the operation.
- ___ / ___ / ___ 110. **CRO:** Request RH WL to **OPEN** (b) (3) (B).
- ___ / ___ / ___ 120. **CRO:** Request RH WL to **OPEN** (b) (3) (B).
- ___ / ___ / ___ 130. **CRO:** Use the table below to sequentially **OPEN** and validate the valves using the “point and call” system.
- ___ / ___ / ___ 140. **Rov/IV:** Validate valve alignment in the field and report valve position per CRO point and call request.

Sequential Number	Valves Verified OPEN	Location	CRO Initials	Assistant CRO Initials	Time
1	(b) (3) (B)				/
2					/
3					/
4					/
5					/
6					/
7					/
8					/
9					/
10					/
11					/

(*) Denotes manual valves

- ___ / ___ / ___ 150. **CRO:** Use the table below to sequentially **OPEN** and validate the valves using the “point and call” system.
- ___ / ___ / ___ 160. **Rov/IV:** shall sequentially **OPEN** and validate valve alignment in the field and report valve position to CRO.

Sequential Number	Valves Verified OPEN	Location	CRO Initials	Assistant CRO Initials	Time
1	(b) (3) (B)				/
2					/
3					/
4					/
5					/

(*) Denotes manual valves

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U007 Rev No. 1
Doc Custodian: Fuels Department		Pump Unpacking Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 5 – TRANSFER PUMP SUCTION CYCLE

- ____ / ____ / ____ 170. (b) (3) (B) WS: Complete the following procedures and report to the CRO:
- Connect/Confirm suction hose to (b) (3) (B) manifold and verify is properly secured
 - Connect/Confirm drain hose to (b) (3) (B) manifold and verify is properly secured
- ____ / ____ / ____ 180. CRO: Request permission to start the F-76 Pump Unpacking operation:
- CRO to SoW
 - SoW to Fuels Director
 - Fuels Director to Commanding Officer
- ____ / ____ / ____ 190. CRO: Begin the “Receiving” Evolution on AFHE System to TK (b) (3) (B).
- ____ / ____ / ____ 200. PO (b) (3) (B) WS: Start the pump
- OPEN (b) (3) (B), (b) (3) (B)
 - OPEN (b) (3) (B) Manifold Valve
 - OPEN (b) (3) (B), (b) (3) (B)
 - Start the Compressor
 - Slowly open air line valve – pump should begin to cycle – wait for pump to prime (discharge hose will begin to move)
 - Continue opening air line valve until fully open and pump is at full speed
- ____ / ____ / ____ 210. PO (b) (3) (B) WS: Monitor pump for excessive vibration or loss of prime
- ____ / ____ / ____ 220. CRO: Monitor tank (b) (3) (B) level for expected drain amount
- ____ / ____ / ____ 230. PO (b) (3) (B) WS: Stopping the pump
- Once tank level has reached desired transfer amount or only air is being pumped, stop the pump.
 - Slowly close the air line valve
 - Turn off the Compressor
 - CLOSE (b) (3) (B), (b) (3) (B)
 - CLOSE (b) (3) (B), Manifold Valve
 - CLOSE (b) (3) (B), (b) (3) (B)

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	DFSP Pearl Harbor Recurring Operations Order RH F-76 Unpacking to (b) (6) via AODD Pump	Doc #: U007 Rev No. 1
Doc Custodian: Fuels Department		Pump Unpacking Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 6 – RETURN TO BASELINE

DATE TIME INITIALS

____ / ____ / ____ 240. **CRO:** Use the table below to sequentially **CLOSE** and validate the valves using the “point and call” system.

____ / ____ / ____ 250. **Rov/IV:** Sequentially **CLOSE** and validate valve alignment in the field and report valve position to CRO.

Sequential Number	Valves Verified CLOSE	Location	CRO Initials	Assistant CRO Initials	Time
6	(b) (3) (B)				
7					/
8					/
9					/
10					/
11					/
12					/
13					/
14					/
15					/

(*) Denotes manual valves

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U007 Rev No. 1
Doc Custodian: Fuels Department		Pump Unpacking Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

____ / ____ / ____ 260. **All assigned personnel:** Report condition of zone to **CRO**.

Zone Assignment	Personnel Assignments	Report Time	Status (Notes)
Control Room	SoW		
Control Room	CRO		
Control Room	Assistant CRO		
(b) (3) (B) and (b) (3) (B)	Work Supervisor (b) (3) (B)		
RH (b) (3) (B)	Work Lead RH		
(b) (3) (B) and (b) (3) (B)	Work Lead PH		
(b) (3) (B) and (b) (3) (B)	Pump Operator		
(b) (3) (B) and (b) (3) (B)	Assistant Pump Operator		
Zone 1	Rover #1 Lower Tank Gallery		
Zone 2	Rover #2 RH (b) (3) (B)		
Zone 3	Rover #3 (b) (3) (B)		
Zone 4	Rover #4 (b) (3) (B)		
Zone 5	Rover #5 (b) (3) (B)		
Zone 6	Rover #6 (b) (3) (B)		
Zone 7	Rover #7 (b) (3) (B)		
Zone 8	Rover #8 (b) (3) (B)		
Zone 9	Rover #9 TK (b) (3) (B)		
RH (b) (3) (B)	Independent Validator RH		
(b) (3) (B)	Independent Validator PH		
(b) (3) (B)	Independent Validator PH		

____ / ____ / ____ 270. **RH WL:** Report the following procedures have been completed and report to **CRO:**

- (b) (3) (B) **CLOSE**
- (b) (3) (B) **CLOSE**

____ / ____ / ____ 280. **CRO:** Ensure the following procedures are completed and announce when complete:

- F-76 path utilized is back to baseline configuration
- “Receiving”** Evolution has ended on AFHE System

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to (b) (3) (B) via AODD Pump	Doc #: U007 Rev No. 1
Doc Custodian: Fuels Department		Pump Unpacking Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

SECTION 7 – CLOSEOUT

DATE TIME INITIALS

____ / ____ / ____ 300. (b) (3) (B) **WS:** Complete the following procedures and report to the **CRO:**

- All equipment is stowed away
- Pump is secured

____ / ____ / ____ 310. **Row:** Manually gauge receiving tank ~ one (1) hour after the final secure time of the F-76 operation and record final tank level.

Receiving Tank	Finish Level (Ft/In)	Finish Level (Gal)	CRO Initials	Assistant CRO Initials	Time
TK (b) (3) (B)					

____ / ____ / ____ 320. **CRO:** Finalize the following documents are completed and turned in at the main building B1757 at the end of the day:

- FLC Fuel Form 703-18, Transfer Record
- FLC Fuel Form 703-22, Tank Inventory Control Daily Levels

____ / ____ / ____ 330. **SoW:** verify the following the follow procedures have been completed:

- All procedures completed IAW OPORD
- Documentation is completed
- All information/signature blocks on operation order are filled in

____ / ____ / ____ 340. **SoW:** Notify operational personnel the operation is complete.

____ / ____ / ____ 350. **SoW:** Notify the Fuels Director the operation is complete.

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authorized By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to (b) (6) via AODD Pump	Doc #: U007 Rev No. 1
Doc Custodian: Fuels Department		Pump Unpacking Operations Order
Approved By: LCDR (b) (6)		
Date Approved: 09/26/2022		Effective Date: 09/26/2022

OPERATIONS ORDER CLOSEOUT

Select the appropriate statement below:

Statement or Order	CRO Initial
This order was executed as written without any changes.	
This order was executed with changes as marked and approved on the order.	

NOTE: If the order required approved modification, the CRO to sign, date and forward for final approval and archiving.

NOTE: The Supervisory Distributive Facilities Specialist (SDFS) will pick all Operations Orders up at the end of the day at the Control Room.

_____ CRO _____ Date

- The CRO to forward this procedure to the Supervisory Distributive Facilities Specialist.

_____ Supervisory Distributive Facilities Specialist (SDFS) _____ Date

- The SDFS to forward this order to the Deputy Director of Fuels.

_____ Deputy Director of Fuels _____ Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

Authored By: (b) (6)	<u>DFSP Pearl Harbor Recurring</u> <u>Operations Order</u> RH F-76 Unpacking to (b) (6) via AODD Pump	Doc #: U007 Rev No. 1
Doc Custodian: Fuels Department		Pump Unpacking Operations Order
Approved By: LCDR (b) (6)		Effective Date: 09/26/2022
Date Approved: 09/26/2022		

REVISION HISTORY

Revision Number	Description of Change	Technical Basis	Requested By	Approved By	Revision Date	Effective Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order.

	JBPHH Fleet Logistics Center Operations Order F-76 Pipeline Suction Drain Down Baseline OPORD (Date OCT22)	Document No:	U007A
		Revision No:	1.0
		Page No:	1 of 8

Reviewed By: (b) (6) – (b) (4) Engineer


Reviewed By: (b) (6) – Operations Supervisor

Reviewed By: (b) (6) – Fuels Operations Director

Approved By: LCDR (b) (6) – Deputy Fuels Director

(b) (6) Digitally signed by
 (b) (6)
 Date: 2022.09.27 22:41:03 -10'00'

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	JBPHH Fleet Logistics Center	Document No:	U007A
	Operations Order F-76 Pipeline Suction Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	2 of 8

EVOLUTION START DATE: _____

CONTROL ROOM INITIALS (MASTER COPY): _____

FIELD COPY INITIALS: _____

EVOLUTION ORDER

- DFSP JBPHH conducts F-76 unpacking operations from Red Hill to Pearl Harbor to provide drain down of the F-76 Pipeline from (b) (3) (B) Area to (b) (3) (B) with a fuel estimation of 68,149 gallons

NOTE: This Operations Order will provide the information to safely perform the following Operations Order

BASELINE – VALVE ALIGNMENT VERIFICATION

DATE TIME INITIALS

____ / ____ / ____ 10. A terminal valve verification must be conducted prior to execution of any operation by following the procedures

- CRO validates motor operated valves (MOVs)
 - Comparison by AFHE in the baseline position to current position, by writing in the “current position” of the valve with the time of validation
- Rover validates manual valves
 - Comparison by in the field verification of the baseline position to current position, by writing in the “current position” of the valve with the time of validation

NOTE: Validation of valves will be verified by comparing baseline position to current position, while conducting valve validation inspection, if a valve is **NOT** in the **BASELINE** position, inform **CRO** immediately and bring to attention of **SoW** in morning briefing

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order..



JBPHH Fleet Logistics Center
Operations Order F-76 Pipeline Suction
Drain Down Baseline OPORD
(Date OCT22)

Document No:	U007A
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Page No:	3 of 8

F-76 Valve Baseline via AODD Pump RH to TK ^{(b)(3)(B)}					
Sequential Number	Valves Verified	Location	Baseline Position	Current Position	Time
1	(b) (3) (B)		NORMALLY CLOSED		
2			NORMALLY CLOSED		
3			NORMALLY CLOSED		
4			NORMALLY CLOSED		
5			NORMALLY CLOSED		
6			NORMALLY CLOSED		
7			NORMALLY OPEN		
8			NORMALLY OPEN		
9			NORMALLY OPEN		
10			NORMALLY OPEN		
11			NORMALLY OPEN		
12			NORMALLY CLOSED		
13			NORMALLY CLOSED		
14			NORMALLY CLOSED		
15			NORMALLY CLOSED		
16			NORMALLY OPEN		
17			NORMALLY CLOSED		
18			NORMALLY OPEN		
19			NORMALLY CLOSED		
20			NORMALLY CLOSED		
21			NORMALLY CLOSED		

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order..



JBPHH Fleet Logistics Center
Operations Order F-76 Pipeline Suction
Drain Down Baseline OPORD
(Date OCT22)

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22	(b) (3) (B)	NORMALLY CLOSED		
23		NORMALLY CLOSED		
24		NORMALLY CLOSED		
25		NORMALLY CLOSED		
26		NORMALLY CLOSED		
27		NORMALLY CLOSED		
28		NORMALLY CLOSED		
29		NORMALLY CLOSED		
30		NORMALLY CLOSED		
31		NORMALLY CLOSED		
32		NORMALLY OPEN		
33		NORMALLY CLOSED		
34		NORMALLY CLOSED		
35		NORMALLY CLOSED		
36		NORMALLY CLOSED		
37		NORMALLY OPEN		
38		NORMALLY CLOSED		
39		NORMALLY CLOSED		
40		NORMALLY CLOSED		
41		NORMALLY CLOSED		
42		NORMALLY CLOSED		
43		NORMALLY CLOSED		
44		NORMALLY OPEN		
45		NORMALLY CLOSED		

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	JBPHH Fleet Logistics Center Operations Order F-76 Pipeline Suction Drain Down Baseline OPORD (Date OCT22)	Document No:	U007A
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(*) – Denotes Manual Valve

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order..

	JBPHH Fleet Logistics Center Operations Order F-76 Pipeline Suction Drain Down Baseline OPORD (Date OCT22)	Document No:	U007A
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- ____/____/____ 20. After completion of the Baseline Operations Order (OPORD):
- CRO and Rover:** Print, sign and date at the bottom of the OPORD validates motor operated valves (MOVs)
 - CRO:** Ensure Baseline OPORD is provide to SoW for validation at the Watch Team Brief

Validation Baseline Inspection Completed by:

Rover #1 (Print, Sign, Date)

CRO (Print, Sign, Date)


- ____/____/____ 30. **SoW:** Validate Baseline configuration OPORD and verify terminal is ready to conduct fueling operation

SoW (Print, Sign, Date)

NOTE: If the Operations Order was completed with NO issues and NO changes, file should be placed in the completed Operations Order box.

NOTE: If the Operations Order was completed WITH issues or WITH changes, ensure the appropriate process was followed and signed off on for the change or issue. File this modified copy in the Operations Order modified box

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order..

	JBPHH Fleet Logistics Center	Document No:	U007A
	Operations Order F-76 Pipeline Suction Drain Down Baseline OPORD (Date OCT22)	Revision No:	1.0
		Page No:	7 of 8

Operations Order Closeout:

Select the appropriate statement below

Statement or Order	CRO Initial
This order was executed as written without any changes.	
This order was executed with changes as marked and approved on the order	

NOTE: If the order required approved modification, the CRO to sign, date and forward for final approval and archiving.

NOTE: The Supervisory Distributive Facilities Specialist (SDFS) will pick all Operations Orders up at the end of the day at the Control Room.

_____ CRO _____ Date


- The CRO to forward this procedure to the Supervisory Distributive Facilities Specialist

_____ Supervisory Distribution Facilities Specialist (SDFS) _____ Date

- The SDFS to forward this order to the Deputy Director of Fuels

_____ Deputy Director of Fuels _____ Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order..

	JBPHH Fleet Logistics Center Operations Order F-76 Pipeline Suction Drain Down Baseline OPORD (Date OCT22)	Document No:	U007A
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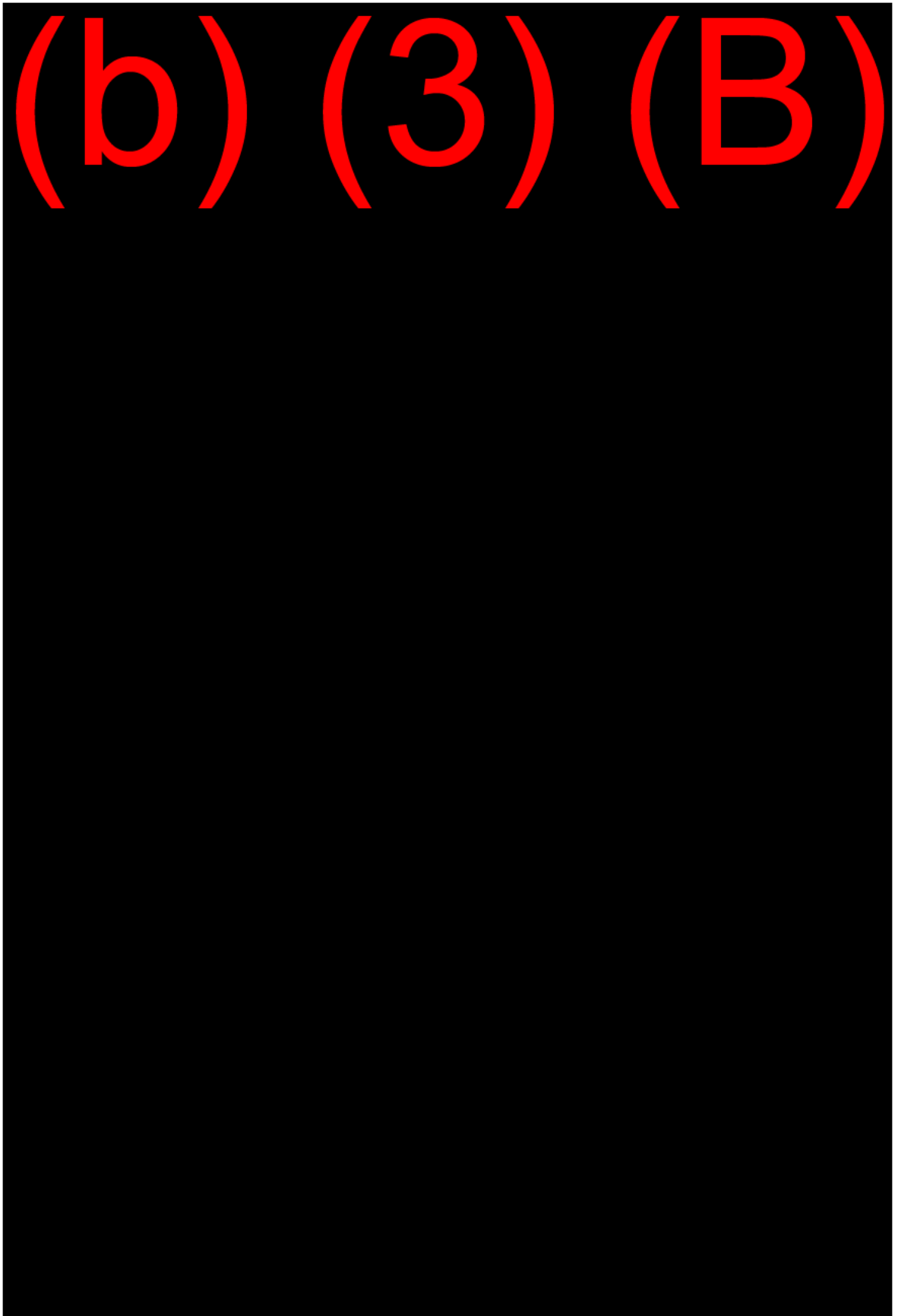
REVISION HISTORY

Revision Number	Description of Change	Technical Basis	Requested By	Approved By	Revision Date	Effective Date

ATTENTION: Once printed for field use, the document becomes a NON-CONTROL COPY. The user of this document must ensure the current approved version of the document is being used and all field copies returned to the CRO at the end of the order..

(b) (3) (B)







(b) (3) (B)

