



Naval Facilities Engineering Command
 Engineering and Expeditionary Warfare Center
 POL Facilities Engineering SH25
 1000 23rd Avenue
 Port Hueneme, CA 93043

Red Hill Bulk Fuel Storage Facility
Hotel Pier to UGPH Fuel Transfer Infrastructure Assessment

Hotel Pier to UGPH Fuel Transfer
Infrastructure Assessment Report
Defuel Mandatory Repair Recommendations
03 Oct 2022

Enclosures:

- (1) Defuel Mandatory Repair Recommendations table

Repair Recommendation Assumptions

1. Defuel Mandatory Repair Recommendations table contains only Defuel Mandatory repairs. All other findings are not required to safely defuel Red Hill. An updated recommendations table including long term repairs is forthcoming.
2. Duration of fuel system service < 2 years.
3. Contractor designation "Defuel Mandatory" is < 2 years duration.
4. Conditions of fuel service operations are gravity defuel.
5. Hotel Pier to UGPH findings and repair to be folded into Master Repair list and further deconflicted with other sources of piping system repair recommendations. Not yet complete due to abbreviated recommendation time constraints.
6. Recommendations are based on the Hotel Pier to UGPH contractor inspection report and information known as of the date of this document. Should conditions change or further information become available, these recommendations are subject to change.

Repair Recommendation Summary

Report Finding	Adjudicated Quantity
To be Added to FY21 EPRC	0
Already Awarded in FY21 EPRC	0
To be added to RMMR	24
Unk status RMMR	0
Further assessment required	0
Accept	24
Reject	0
Accept With Modification	0
Total Defuel Mandatory Findings	24

Repair Recommendations Table Legend

A	Accept finding/urgency/recommendation
R	Reject finding/urgency/recommendation
M	Accept with modification
RHTF	Red Hill Tank farm
UGPH	Underground pumphouse
TG	Tank gallery
PS	Pipe stand
PSF	Pipe stand FOR
PSC	Pipe stand concrete
FFS	Fitness for service assessment
FY21EPRC	FY21 Emergent Pipeline Repair Contract

Contractor Finding								EXWC Recommendation			
ID	Source ID Cross Reference	SGH Cross Reference	Geographic Area	Loc Reference	Ktr Description	Urgency	Ktr Recommended Repair	Repair Rec	Rationale	Rec Contract Disposition	Under Contract
JP5.HP.001			Hotel Pier - Side A	Trench Cover A0	(4) failed boot seals at concrete wall penetrations for 12" piping	Defuel Mandatory	Replace boot seals	A	Replace boot seals	RMMR	N
JP5.HP.002			Hotel Pier - Side A	Trench Cover A51	(2) failed boot seals and no mechanically adjustable elastomeric seals at concrete wall penetration for 12" piping	Defuel Mandatory	Provide mechanically adjustable elastomeric seals and replace boot seals	A	Provide mechanically adjustable elastomeric seals and replace boot seals	RMMR	N
JP5.HP.003			Hotel Pier - Side A	Trench Cover A98	(2) failed boot seals and no mechanically adjustable elastomeric seals at concrete wall penetration for 12" piping	Defuel Mandatory	Provide mechanically adjustable elastomeric seals and replace boot seals	A	Provide mechanically adjustable elastomeric seals and replace boot seals	RMMR	N
JP5.HP.004			Hotel Pier - Side A	Trench Cover A147	(2) failed boot seals and no mechanically adjustable elastomeric seals at concrete wall penetration for 12" piping	Defuel Mandatory	Provide mechanically adjustable elastomeric seals and replace boot seals	A	Provide mechanically adjustable elastomeric seals and replace boot seals	RMMR	N
JP5.HP.005			Hotel Pier - Side B	Trench Cover B0	(4) failed boot seals at concrete wall penetrations for 12" piping	Defuel Mandatory	Replace boot seals	A	Replace boot seals	RMMR	N
JP5.HP.006			Hotel Pier - Side B	Trench Cover B51	(2) failed boot seals and no mechanically adjustable elastomeric seals at concrete wall penetration for 12" piping	Defuel Mandatory	Provide mechanically adjustable elastomeric seals and replace boot seals	A	Provide mechanically adjustable elastomeric seals and replace boot seals	RMMR	N
JP5.HP.007			Hotel Pier - Side B	Trench Cover B98	(2) failed boot seals and no mechanically adjustable elastomeric seals at concrete wall penetration for 12" piping	Defuel Mandatory	Provide mechanically adjustable elastomeric seals and replace boot seals	A	Provide mechanically adjustable elastomeric seals and replace boot seals	RMMR	N
JP5.HP.008			Hotel Pier - Side B	Trench Cover B147	(2) failed boot seals and no mechanically adjustable elastomeric seals at concrete wall penetration for 12" piping	Defuel Mandatory	Provide mechanically adjustable elastomeric seals and replace boot seals	A	Provide mechanically adjustable elastomeric seals and replace boot seals	RMMR	N
F24.HP.001			Hotel Pier - Side A	Trench Cover A0	(4) failed boot seals at concrete wall penetrations for 12" piping	Defuel Mandatory	Replace boot seals	A	Replace boot seals	RMMR	N
F24.HP.002			Hotel Pier - Side A	Trench Cover A51	(2) failed boot seals and no mechanically adjustable elastomeric seals at concrete wall penetration for 12" piping	Defuel Mandatory	Provide mechanically adjustable elastomeric seals and replace boot seals	A	Provide mechanically adjustable elastomeric seals and replace boot seals	RMMR	N
F24.HP.003			Hotel Pier - Side A	Trench Cover A98	(2) failed boot seals and no mechanically adjustable elastomeric seals at concrete wall penetration for 12" piping	Defuel Mandatory	Provide mechanically adjustable elastomeric seals and replace boot seals	A	Provide mechanically adjustable elastomeric seals and replace boot seals	RMMR	N
F24.HP.004			Hotel Pier - Side A	Trench Cover A147	(2) failed boot seals and no mechanically adjustable elastomeric seals at concrete wall penetration for 12" piping	Defuel Mandatory	Provide mechanically adjustable elastomeric seals and replace boot seals	A	Provide mechanically adjustable elastomeric seals and replace boot seals	RMMR	N
F24.HP.005			Hotel Pier - Side B	Trench Cover B0	(4) failed boot seals at concrete wall penetrations for 12" piping	Defuel Mandatory	Replace boot seals	A	Replace boot seals	RMMR	N
F24.HP.006			Hotel Pier - Side B	Trench Cover B51	(2) failed boot seals and no mechanically adjustable elastomeric seals at concrete wall penetration for 12" piping	Defuel Mandatory	Provide mechanically adjustable elastomeric seals and replace boot seals	A	Provide mechanically adjustable elastomeric seals and replace boot seals	RMMR	N

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F24.HP.008			Hotel Pier - Side B	Trench Cover B147	(2) failed boot seals and no mechanically adjustable elastomeric seals at concrete wall penetration for 12" piping	Defuel Mandatory	Provide mechanically adjustable elastomeric seals and replace boot seals	A	Provide mechanically adjustable elastomeric seals and replace boot seals	RMMR	N
F76.HP.001			Hotel Pier - Side A	Trench Cover A0	(4) failed boot seals at concrete wall penetrations for 18" piping	Defuel Mandatory	Replace boot seals	A	Replace boot seals	RMMR	N
F76.HP.002			Hotel Pier - Side A	Trench Cover A51	(2) failed boot seals and no mechanically adjustable elastomeric seals at concrete wall penetration for 18" piping	Defuel Mandatory	Provide mechanically adjustable elastomeric seals and replace boot seals	A	Provide mechanically adjustable elastomeric seals and replace boot seals	RMMR	N
F76.HP.003			Hotel Pier - Side A	Trench Cover A98	(2) failed boot seals and no mechanically adjustable elastomeric seals at concrete wall penetration for 18" piping	Defuel Mandatory	Provide mechanically adjustable elastomeric seals and replace boot seals	A	Provide mechanically adjustable elastomeric seals and replace boot seals	RMMR	N
F76.HP.004			Hotel Pier - Side A	Trench Cover A147	(2) failed boot seals and no mechanically adjustable elastomeric seals at concrete wall penetration for 18" piping	Defuel Mandatory	Provide mechanically adjustable elastomeric seals and replace boot seals	A	Provide mechanically adjustable elastomeric seals and replace boot seals	RMMR	N
F76.HP.005			Hotel Pier - Side B	Trench Cover B0	(4) failed boot seals at concrete wall penetrations for 18" piping	Defuel Mandatory	Replace boot seals	A	Replace boot seals	RMMR	N
F76.HP.006			Hotel Pier - Side B	Trench Cover B51	(2) failed boot seals and no mechanically adjustable elastomeric seals at concrete wall penetration for 18" piping	Defuel Mandatory	Provide mechanically adjustable elastomeric seals and replace boot seals	A	Provide mechanically adjustable elastomeric seals and replace boot seals	RMMR	N
F76.HP.007			Hotel Pier - Side B	Trench Cover B98	(2) failed boot seals and no mechanically adjustable elastomeric seals at concrete wall penetration for 18" piping	Defuel Mandatory	Provide mechanically adjustable elastomeric seals and replace boot seals	A	Provide mechanically adjustable elastomeric seals and replace boot seals	RMMR	N
F76.HP.008			Hotel Pier - Side B	Trench Cover B147	(2) failed boot seals and no mechanically adjustable elastomeric seals at concrete wall penetration for 18" piping	Defuel Mandatory	Provide mechanically adjustable elastomeric seals and replace boot seals	A	Provide mechanically adjustable elastomeric seals and replace boot seals	RMMR	N