Enclosure (4) to Red Hill Bulk Fuel Storage Facility, Oahu, Hawaii 28 September 2022 Supplement 1.B

# Infrastructure Repairs and Enhancements Report (as of 28 Sept 2022)

Page 1: Infrastructure Repairs and Enhancements Report

Page 14: Attachment 1 – Status Definitions for Repair and Enhancement Activities

Page 16: Attachment 2 – Contracts to Support defueling of Red Hill Bulk Fuel Storage Facility

This document contains a detailed description of each repair or enhancement activity accepted by the Department of Defense (DoD) as being necessary for the defueling of the Red Hill Bulk Fuel Storage Facility (RHBFSF) on Oahu, Hawaii. The information provided includes the necessary information to understand the progress towards completion and how each activity relates to other activities on the critical path method (CPM) schedule. The unique identification (UID) number can be used to identify its place on the CPM Gantt chart. The CPM Gantt chart illustrates the project plan, which identifies all tasks with their actual or projected start and finish dates, predecessors and successors, and a timeline with schedule bars that visualize the work. The CPM Network Diagram groups the activities below as those that do not require unpacking of the fuel lines in UID #235 and those that require the unpacking of the fuel lines in UID #287. The activities tied to UID #235 include those that are currently on the critical path. The activities that are on or near the critical path to support defueling are identified in Block 10 for each activity. The percent complete is shown for any activity that has a status of "Work in Progress." If the activity is not in progress or the work is completed but is awaiting Third Party Verification then no percentage complete will be shown. The description of the status for each activity is at Attachment 1 and a description of each contract is at Attachment 2.

1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
208	SGH ID: 6	AFSI Contract	Work in Progress (25%)	1/13/23	
6. Title: Install Pressure Indicating Transmitter Sensors (PITS) in Tank Gallery					
7. Descri	ption: Installat	ion of additional PI	TS in piping at the Red Hill	Tank Gallery and	
Harbor T	unnel to better	detect potential vac	uum conditions. PITS detec	t pressure at a	
specific 1	ocation in the p	pipeline. Detection	of vacuum conditions provid	les surge protection	
by identi	fying a potentia	ıl for a high-pressur	e surge event before occurre	nce of a fuel spill.	
8. Additi	onal Info: PITS	S will only be instal	led in the JP5 and F24 pipeli	ines as the F76 line is	
not plann	not planned to be used for defueling. Unpacking of the fuel pipelines is required because				
holes mu	holes must be drilled in the pipelines to install the PITS. Installation of PITS is dependent on				
concurre	nce from DOH	for unpacking fuel	lines.	_	
9. Source	: SGH Third F	Party Assessment	10. Critical Path/Near Criti	cal Path: No	

1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:		
236	SGH ID: 8	Pipeline Repairs	Received DOH	Completed		
		Contract	Concurrence			
6. Title:	6. Title: Confirm dresser couplings can seal under vacuum conditions					
7. Descri	ption: Consult	manufacturer on re	verse pressure capability (va	cuum) of dresser		
coupling	s installed arou	nd pumps at Underg	ground Pump House and Red	l Hill Tank Gallery.		
Consider	Consider modifying the design as required. A Dresser coupling is a pipe fitting used to					
connect t	connect two sections of pipe.					
8. Additi	onal Info: SGF	I addressed this iten	n when they prepared the thi	rd-party assessment		
and confi	and confirmed dresser couplings are sufficient under vacuum conditions during the third-					
party ass	essment. Docu	mentation was subn	nitted to DOH with the SGH	report confirming the		
performa	nce of the coup	olings.				
9. Source	e: SGH Third F	Party Assessment	10. Critical Path/Near Criti	cal Path: No		

			T		
1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
237	SGH ID: 14	NDAA 318 A/E	Work in Progress (80%)	9/30/22	
		Assessment			
6. Title: 1	Evaluate pipe a	and hose rating betw	veen Red Hill and piers / doc	ks	
			nd hoses to ensure they can		
1	pressures involved in defueling. Specifically include segments of piping and hoses exposed				
to high pump discharge pressure and static pressure when transferring fuel out of Red Hill.					
8. Additional Info: Assessment is in progress					
9. Source: SGH Third Party Assessment   10. Critical Path/Near Critical Path: No					
9. Source	SGH Inira F	arty Assessment	10. Critical Path/Near Criti	cai Path: No	
[ ]			T . =		
	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
	SGH ID: 28		Work in Progress (10%)	12/15/22	
			upon loss of normal power		
7. Descrip	otion: Test of t	the oil tight door to	confirm it can still close duri	ng a power outage.	
Complete	any required r	epairs or enhancem	ents necessary to enable the	oil tight door to close	
			ntenance on oil tight door.		
			tight door is connected to th	e emergency back-up	
			mal power source to test the		
			ver source without removing		
	f Red Hill.	generator as the pov	ver source without removing	power nom omer	
		Party Assessment	10. Critical Path/Near Criti	cal Dath: No	
9. Source	. SOII IIIIU I	arry Assessment	10. Chiicai i aui/Neai Chii	cai i aiii. 110	
1 1110.	2 D 4-	2 (	4 64-4	F. Est. Comm. Date:	
1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
239		Pipeline A/E	Work in Progress (90%)	9/30/22	
	31	Contract			
		lying cause of line s			
			of line sag causing a vacuum		
event. Re	eview the surge	e events of May 6, 2	021, and Sept 29, 2021, to u	nderstand the root	
cause and	modify infras	tructure or processe	s as needed to prevent simila	r conditions.	
8. Addition	onal Info: Line	e sag evaluated and	cause identified in the May 6	5, 2021 Root Cause	
Analysis.	Mitigation in	cludes installation o	f PITS and operational contr	ols.	
		Party Assessment	10. Critical Path/Near Criti		
			-		
1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
241	-	Pipeline A/E	Work in Progress (90%)	9/30/22	
271	SGIT ID. 1	Contract	Work in Flogress (7070)	7/30/22	
6 Title: I	Danform surga			lraggar agurlingg	
			es (JP5, F76, F24); evaluate of		
		•	es for fuel pipelines to determ	•	
	•	•	ent (SGH) could occur durin	-	
			have sufficient strength to v	viinstand expected	
	for possible su			4 4 4 4	
			es are in progress and expect		
_		=	etermine if additional work is	required to confirm	
dresser co	ouplings can w	ithstand peak stress			
9. Source:	: SGH Third F	Party Assessment	10. Critical Path/Near Criti	cal Path: No	
7. Source. Soft time tarry Assessment 10. Officer tarrived Critical tarri. 100					

1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
242	SGH ID:		Work in Progress (10%)	1/11/23	
212	LAT-3	Contract	Work in Fregress (1070)	1/11/25	
6. Title: JF			hstand surge event; modify if	necessarv	
			thstand repeat of the May 6, 2		
			the event of a similar surge		
8. Additional Info: Surge and stress analyses are in progress. Stress analysis will determine if					
additional work is required to confirm dresser couplings can withstand peak stress expected.					
9. Source:	9. Source: SGH Third Party Assessment 10. Critical Path/Near Critical Path: No				
1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
243	SGH ID:	N/A	Pursuing Alternative	12/15/23	
	LAT-15		Solution		
			rotection to overhead valve (	,	
-		-	head valve on the AFFF recl		
	•		a moving object (such as the	,	
			roposal provided in the Septe		
1 1			ement for these actions, provide		
			y delays to defueling Red Hi	II. This requirement	
			s proposed way ahead.	1 D - 41 <b>X</b> 7	
9. Source:	SGH Inira F	Party Assessment	10. Critical Path/Near Critic	cai Patn: Yes	
1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
244	SGH ID:	Pipeline Repairs	Pending Third Party	Completed	
		Contract	Verification	<b>-</b>	
6. Title: JP5 pipe - Install lateral restraint at PS 18					
6. Title: JF	LAT-20 25 pipe - Insta		t PS 18		
	5 pipe - Insta	all lateral restraint a	t PS 18 imited or no lateral restraint.	Install a lateral	
7. Descript	25 pipe - Insta ion: JP-5 ele	all lateral restraint avated pipeline had l			
7. Descript restraint to 8. Addition	P5 pipe - Instation: JP-5 ele the existing pal Info: Wor	all lateral restraint at vated pipeline had l pipe to provide resil k is complete. DoD	imited or no lateral restraint.	ressure surge event.	
7. Descript restraint to 8. Addition to third-par	P5 pipe - Instation: JP-5 elethe existing pal Info: Worty for verific	all lateral restraint as vated pipeline had loipe to provide resil k is complete. DoD ation of work.	imited or no lateral restraint. iency in the event of a high-p completing closeout documer	ressure surge event. ntation for submission	
7. Descript restraint to 8. Addition to third-par	P5 pipe - Instation: JP-5 elethe existing pal Info: Worty for verific	all lateral restraint at vated pipeline had l pipe to provide resil k is complete. DoD	imited or no lateral restraint. iency in the event of a high-p	ressure surge event. ntation for submission	
7. Descript restraint to 8. Addition to third-par 9. Source:	P5 pipe - Instation: JP-5 ele the existing pal Info: Worty for verific SGH Third F	vated pipeline had loipe to provide resil k is complete. DoD ation of work.	imited or no lateral restraint. iency in the event of a high-p completing closeout documer  10. Critical Path/Near Critical	ressure surge event. ntation for submission eal Path: No	
7. Descript restraint to 8. Addition to third-par 9. Source:	P5 pipe - Instaion: JP-5 ele the existing pal Info: Worty for verific SGH Third F	vated pipeline had loipe to provide resil k is complete. DoD ation of work.  Party Assessment  3. Contract:	imited or no lateral restraint. iency in the event of a high-p completing closeout documer  10. Critical Path/Near Critic  4. Status:	ressure surge event. ntation for submission cal Path: No  5. Est. Comp. Date:	
7. Descript restraint to 8. Addition to third-par 9. Source:	P5 pipe - Insta ion: JP-5 ele the existing pal Info: Wor ty for verific SGH Third F	vated pipeline had loipe to provide resil k is complete. DoD ation of work.	imited or no lateral restraint. iency in the event of a high-p completing closeout documer  10. Critical Path/Near Critic  4. Status: Pursuing Alternative	ressure surge event. ntation for submission eal Path: No	
7. Descript restraint to 8. Addition to third-par 9. Source:  1. UID: 246	25 pipe - Instation: JP-5 ele the existing pal Info: Wor- ty for verific SGH Third F 2. Report: SGH ID: LAT-29	vated pipeline had loipe to provide resil k is complete. DoD ation of work.  Party Assessment  3. Contract:  N/A	imited or no lateral restraint. iency in the event of a high-p completing closeout documer  10. Critical Path/Near Critic  4. Status: Pursuing Alternative Solution	ressure surge event. ntation for submission eal Path: No  5. Est. Comp. Date: 12/15/23	
7. Descript restraint to 8. Addition to third-par 9. Source:  1. UID: 246  6. Title: A	P5 pipe - Instation: JP-5 ele the existing pal Info: Worty for verific SGH Third F 2. Report: SGH ID: LAT-29	vated pipeline had loipe to provide resil k is complete. DoD ation of work.  Party Assessment  3. Contract:  N/A  ation Line - install p	imited or no lateral restraint. iency in the event of a high-p completing closeout documer  10. Critical Path/Near Critic  4. Status: Pursuing Alternative Solution rotection to overhead valve (1)	ressure surge event. ntation for submission cal Path: No  5. Est. Comp. Date: 12/15/23 PS 26)	
7. Descript restraint to 8. Addition to third-par 9. Source:  1. UID: 246  6. Title: A 7. Descript	25 pipe - Instation: JP-5 ele the existing pal Info: Worty for verific SGH Third F 2. Report: SGH ID: LAT-29 FFF Reclamation: Provide	vated pipeline had loipe to provide resil k is complete. DoD ation of work.  Party Assessment  3. Contract:  N/A  ation Line - install p	imited or no lateral restraint. iency in the event of a high-p completing closeout documer  10. Critical Path/Near Critic  4. Status: Pursuing Alternative Solution rotection to overhead valve (lead valve on the AFFF reclar	station for submission  that all Path: No  5. Est. Comp. Date: 12/15/23  PS 26)  mation line to avoid	
7. Descript restraint to 8. Addition to third-par 9. Source:  1. UID: 246  6. Title: A 7. Descript pipeline da	25 pipe - Instation: JP-5 ele the existing pal Info: Worty for verific SGH Third F 2. Report: SGH ID: LAT-29 FFF Reclamation: Provide mage caused	vated pipeline had loppe to provide resil k is complete. DoD ation of work.  Party Assessment  3. Contract:  N/A  ation Line - install p protection to overholy a collision with	imited or no lateral restraint. iency in the event of a high-p completing closeout documer  10. Critical Path/Near Critic  4. Status: Pursuing Alternative Solution rotection to overhead valve (lead valve on the AFFF reclar a moving object (such as the	stressure surge event. Intation for submission  cal Path: No  5. Est. Comp. Date: 12/15/23  PS 26) Ination line to avoid harbor tunnel train).	
7. Descript restraint to 8. Addition to third-par 9. Source:  1. UID: 246  6. Title: A 7. Descript pipeline da 8. Addition	25 pipe - Instation: JP-5 ele the existing pal Info: Worty for verific SGH Third F 2. Report: SGH ID: LAT-29 FFF Reclamation: Provide mage caused	vated pipeline had labipe to provide resil k is complete. DoD ation of work.  Party Assessment  3. Contract:  N/A  Ation Line - install p protection to overhold by a collision with D's AFFF removal p	imited or no lateral restraint. iency in the event of a high-p completing closeout documer  10. Critical Path/Near Critic  4. Status: Pursuing Alternative Solution rotection to overhead valve (lead valve on the AFFF reclar a moving object (such as the proposal provided in the Septe	station for submission that ion for submission that ion for submission that ion for submission that ion submission that is submission to submission that is submission that is submission to submissio	
7. Descript restraint to 8. Addition to third-par 9. Source:  1. UID: 246  6. Title: A 7. Descript pipeline da 8. Addition supplement	25 pipe - Instation: JP-5 ele the existing pal Info: Worty for verific SGH Third F 2. Report: SGH ID: LAT-29 FFF Reclamation: Provide mage caused tal Info: Dollated	vated pipeline had loipe to provide resil k is complete. DoD ation of work.  Party Assessment  3. Contract:  N/A  Ation Line - install p  protection to overholy a collision with  D's AFFF removal p	imited or no lateral restraint. iency in the event of a high-p completing closeout documer  10. Critical Path/Near Critic  4. Status:  Pursuing Alternative  Solution rotection to overhead valve (lead valve on the AFFF reclar a moving object (such as the proposal provided in the Septement for these actions, provided)	station for submission  teal Path: No  5. Est. Comp. Date: 12/15/23  PS 26) mation line to avoid harbor tunnel train). ember 7th, 2022 de an effective	
7. Descript restraint to 8. Addition to third-par 9. Source:  1. UID: 246  6. Title: A 7. Descript pipeline da 8. Addition supplemental alternative	25 pipe - Instation: JP-5 ele the existing pal Info: Worty for verific SGH Third F 2. Report: SGH ID: LAT-29 FFF Reclamation: Provide mage caused tal Info: Dout 1.A would et to AFFF rem	vated pipeline had loppe to provide resil k is complete. DoD ation of work.  Party Assessment  3. Contract:  N/A  Ation Line - install p protection to overhold by a collision with D's AFFF removal peliminate the require oval and prevent an	imited or no lateral restraint. iency in the event of a high-p completing closeout documer  10. Critical Path/Near Critic  4. Status: Pursuing Alternative Solution rotection to overhead valve (lead valve on the AFFF reclar a moving object (such as the proposal provided in the Septe	station for submission  teal Path: No  5. Est. Comp. Date: 12/15/23  PS 26) mation line to avoid harbor tunnel train). ember 7th, 2022 de an effective	

1. UID:2. Report:3. Contract:4. Status:5. Est. Comp. Date:247SGH ID: LAT-32PWD Shops Pending Third Party VerificationCompleted Verification6. Title:Install protection around overhead valve (PS 27)				
LAT-32 Verification				
6 Title: Install protection around overhead valve (PS 27)				
7. Description: Provide protection to overhead valve to avoid pipeline damage caused by a				
collision with a moving object (such as the harbor tunnel train).				
8. Additional Info: Work is complete. DoD is completing closeout documentation for				
submission to third party for verification of work.				
9. Source: SGH Third Party Assessment 10. Critical Path/Near Critical Path: No				
1. UID: 2. Report: 3. Contract: 4. Status: 5. Est. Comp. Date:				
248 SGH ID: Pipeline Repairs Work in Progress (10%) 3/16/23				
LAT-38 Contract				
6. Title: Replace brace (PS 46-47)				
7. Description: Existing columns and bracing are heavily corroded. Bracing will be replaced				
at pipe supports 46 and 47 to ensure adequate pipeline support.				
8. Additional Info: No work involving welding can occur prior to unpacking of fuel				
pipelines. Work is planned to commence after unpacking of pipelines.				
9. Source: SGH Third Party Assessment 10. Critical Path/Near Critical Path: No				
1. UID: 2. Report: 3. Contract: 4. Status: 5. Est. Comp. Date:				
1. UID: 2. Report: 3. Contract: 4. Status: 5. Est. Comp. Date: 249 SGH ID: Pipeline Repairs Work in Progress (15%) 3/15/23				
LAT-40 Contract Soft ID. Pipeline Repairs Work in Progress (1376)				
6. Title: Replace column and anchorage (PS 47)				
7. Description: Existing columns and bracing are heavily corroded. Column and anchorage				
will be replaced at pipe support 47 to ensure adequate pipeline support.				
8. Additional Info: No work involving welding can occur prior to unpacking of fuel				
pipelines. Work is planned to commence after unpacking of pipelines.				
9. Source: SGH Third Party Assessment 10. Critical Path/Near Critical Path: No				
To the state of th				
1. UID: 2. Report: 3. Contract: 4. Status: 5. Est. Comp. Date:				
250 SGH ID: Pipeline Repairs Work in Progress (15%) 3/16/23				
250   SGH ID:   Pipeline Repairs   Work in Progress (15%)   3/16/23   LAT-41   Contract				
LAT-41 Contract 6. Title: Replace column and anchorage (PS 48)				
LAT-41 Contract				
LAT-41 Contract  6. Title: Replace column and anchorage (PS 48)  7. Description: Existing columns and bracing are heavily corroded. Column and anchorage				
LAT-41 Contract  6. Title: Replace column and anchorage (PS 48)  7. Description: Existing columns and bracing are heavily corroded. Column and anchorage will be replaced at pipe support 48 to ensure adequate pipeline support.				

			T		
	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
251	SGH ID:	RMMR Contract	Work in Progress (15%)	9/23/22	
	LAT-42				
	eplace beam				
	7. Description: Replace beam due to corrosion at end closer to the tunnel wall. Structural				
	integrity of beam component ensures adequate support of pipeline.				
			tracking for completion.		
9. Source: S	9. Source: SGH Third Party Assessment 10. Critical Path/Near Critical Path: No				
1. UID: 2	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
252	SGH ID:	N/A	Pursuing Alternative	12/15/23	
	LAT-44		Solution		
6. Title: A	FFF Reclama	ation Line - install p	rotection to overhead valve	(PS 61)	
			ead valve on the AFFF recla		
pipeline da	mage caused	by a collision with	a moving object (such as the	harbor tunnel train).	
8. Addition	al Info: DoI	D's AFFF removal p	roposal provided in the Sept	ember 7th, 2022	
supplement	1.A would	eliminate the require	ement for these actions, prov	ide an effective	
alternative	to AFFF rem	noval and prevent an	y delays to defueling Red H	ill. This requirement	
			s proposed way ahead.	-	
			10. Critical Path/Near Criti	cal Path: Yes	
1. UID: 2	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
253	SGH ID:	RMMR Contract	Work in Progress (15%)	12/22/23	
	LAT-46				
6. Title: Re	eplace beam	and connect to tunn	el wall (PS 69-71)		
			to wall due to corrosion at en	nd closer to the tunnel	
			nt ensures adequate support of		
8. Additional Info: Proposal is under technical review. Approval to begin work will be provided once the proposal is determined to meet the contractual requirements.					
provided or	_	osal is determined to	meet the contractual require	ements.	
	nce the propo				
	nce the propo	osal is determined to Party Assessment	meet the contractual require 10. Critical Path/Near Critical		
9. Source:	nce the propo SGH Third I	Party Assessment	10. Critical Path/Near Criti	cal Path: Yes	
9. Source:	SGH Third I	Party Assessment  3. Contract:	10. Critical Path/Near Critical	5. Est. Comp. Date:	
9. Source:	SGH Third I  2. Report: SGH ID:	Party Assessment	10. Critical Path/Near Criti	cal Path: Yes	
9. Source:  1. UID: 254	SGH Third I  2. Report: SGH ID: LAT-47	Party Assessment  3. Contract: RMMR Contract	10. Critical Path/Near Critical	5. Est. Comp. Date:	
9. Source:  1. UID:	2. Report: SGH ID: LAT-47 rovide lateral	Party Assessment  3. Contract: RMMR Contract stops and reset pipe	4. Status: Work in Progress (10%) c cradle (PS 73)	5. Est. Comp. Date: 1/29/23	
9. Source:  1. UID:	2. Report: SGH ID: LAT-47 rovide lateral	3. Contract: RMMR Contract stops and reset pipe	4. Status: Work in Progress (10%) c cradle (PS 73) ng pipe cradle / reset pipe cra	5. Est. Comp. Date: 1/29/23 adle to support	
9. Source:  1. UID: 254  6. Title: Pr 7. Description of the elevated of the el	2. Report: SGH ID: LAT-47 rovide lateral ion: Provide	3. Contract: RMMR Contract stops and reset pipe	4. Status: Work in Progress (10%) c cradle (PS 73)	5. Est. Comp. Date: 1/29/23 adle to support	
9. Source:  1. UID: 254  6. Title: Pr 7. Description elevated pressure sure	2. Report: SGH ID: LAT-47 rovide lateral ion: Provide pipe ( rge event.	23. Contract: RMMR Contract stops and reset pipes lateral stops, missir line). Provides resilie	4. Status: Work in Progress (10%) cradle (PS 73) ng pipe cradle / reset pipe craency to pipeline system in the	5. Est. Comp. Date: 1/29/23  adle to support the event of a high-	
9. Source:  1. UID: 254  6. Title: Pr 7. Description elevated pressure sure sure sure sure sure sure su	2. Report: SGH ID: LAT-47 rovide lateral ion: Provide pipe ( rge event. al Info: Mat	23. Contract: RMMR Contract stops and reset pipes lateral stops, missir line). Provides resilie	4. Status: Work in Progress (10%) c cradle (PS 73) ng pipe cradle / reset pipe cra	5. Est. Comp. Date: 1/29/23  addle to support the event of a high-	

1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
255	SGH ID:	RMMR Contract	Work in Progress (10%)	1/29/23	
	LAT-48		_ , , , ,		
6. Title:	Provide cradle	and lateral stops (PS	S 74)		
7. Descrip	otion: Provide	lateral stops, missir	ng pipe cradle / reset pipe cra	adle to support	
elevated 16" pipe (F24 line). Provides resiliency to pipeline system in the event of a high-					
pressure surge event.					
8. Additional Info: Materials are on order. RMMR Contractor is coordinating execution of					
		hedule completion.			
9. Source	: SGH Third F	Party Assessment	10. Critical Path/Near Criti	cal Path: No	
1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
256	SGH ID:	RMMR Contract	Work in Progress (15%)	12/22/22	
	LAT-55				
6. Title:	Repair / provid	le pipe cradle (PS 6)	)		
			issing on one side of pipe. S	tructural integrity of	
beam con	iponent ensure	es adequate support	of pipeline.		
			ical review. Authorization to	begin work will be	
given to t	he contractor f	or execution of wor	k once proposal is approved		
9. Source	: SGH Third F	Party Assessment	10. Critical Path/Near Criti	cal Path: No	
1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
257	_	Pipeline Repairs	Work in Progress (10%)	9/15/23	
	PM-10	Contract			
6. Title: .			ge events; provide axial restr	aint (Tanks 5, 13-14,	
17-20)	1 1	, , .	, 1		
7. Descrit			d at ands of the main ninelin	ne and laterals	
7. Description: JP5 pipeline is not restrained at ends of the main pipeline and laterals. Pipeline is free to move in the event of a surge resulting in damage to coupling. Need to					
Pipeline i	s free to move	in the event of a sur	rge resulting in damage to co	oupling. Need to	
Pipeline i install res	s free to move traints at ends	in the event of a sur of JP5 pipeline and	rge resulting in damage to collaterals on Tanks 5, 13, 14,	oupling. Need to	
Pipeline i install res ensure pi	s free to move traints at ends peline will not	in the event of a sur of JP5 pipeline and move excessively a	rge resulting in damage to collaterals on Tanks 5, 13, 14, and damage couplings.	oupling. Need to 17, 18 and 20 to	
Pipeline i install res ensure pij	s free to move traints at ends peline will not onal Info: Solu	in the event of a sur of JP5 pipeline and move excessively a ation is dependent up	rge resulting in damage to collaterals on Tanks 5, 13, 14, and damage couplings.  pon the stress analysis includes	oupling. Need to 17, 18 and 20 to	
Pipeline i install res ensure pij 8. Addition Repairs C	s free to move traints at ends peline will not onal Info: Solu Contract. Stress	in the event of a sur of JP5 pipeline and move excessively a ution is dependent up analysis is in progr	rge resulting in damage to collaterals on Tanks 5, 13, 14, and damage couplings.  pon the stress analysis includess	oupling. Need to 17, 18 and 20 to ded in Pipeline	
Pipeline i install res ensure pij 8. Addition Repairs C	s free to move traints at ends peline will not onal Info: Solu Contract. Stress	in the event of a sur of JP5 pipeline and move excessively a ation is dependent up	rge resulting in damage to collaterals on Tanks 5, 13, 14, and damage couplings.  pon the stress analysis includes	oupling. Need to 17, 18 and 20 to ded in Pipeline	
Pipeline i install res ensure pip 8. Addition Repairs C 9. Source	s free to move traints at ends peline will not onal Info: Solu Contract. Stress : SGH Third F	in the event of a sur of JP5 pipeline and move excessively a ation is dependent up analysis is in progre Party Assessment	rge resulting in damage to collaterals on Tanks 5, 13, 14, and damage couplings.  pon the stress analysis includes 10. Critical Path/Near Critical	oupling. Need to 17, 18 and 20 to ded in Pipeline cal Path: Yes	
Pipeline i install res ensure pip 8. Addition Repairs C 9. Source	s free to move traints at ends peline will not ponal Info: Solution Solutio	in the event of a sur of JP5 pipeline and move excessively a ation is dependent up analysis is in progre Party Assessment  3. Contract:	rge resulting in damage to collaterals on Tanks 5, 13, 14, and damage couplings.  pon the stress analysis includes 10. Critical Path/Near Critical	oupling. Need to 17, 18 and 20 to ded in Pipeline cal Path: Yes  5. Est. Comp. Date:	
Pipeline i install res ensure pip 8. Addition Repairs C 9. Source	s free to move traints at ends peline will not onal Info: Solution	in the event of a sur of JP5 pipeline and move excessively a ution is dependent up analysis is in progre Party Assessment  3. Contract: Pipeline Repairs	rge resulting in damage to collaterals on Tanks 5, 13, 14, and damage couplings.  pon the stress analysis includes 10. Critical Path/Near Critical	oupling. Need to 17, 18 and 20 to ded in Pipeline cal Path: Yes	
Pipeline i install res ensure pij 8. Addition Repairs C 9. Source 1. UID: 258	s free to move traints at ends peline will not onal Info: Solution	in the event of a sur of JP5 pipeline and move excessively a ation is dependent up analysis is in progre Party Assessment  3. Contract: Pipeline Repairs Contract	rge resulting in damage to collaterals on Tanks 5, 13, 14, and damage couplings.  pon the stress analysis includess  10. Critical Path/Near Critic	oupling. Need to 17, 18 and 20 to ded in Pipeline cal Path: Yes  5. Est. Comp. Date: 9/15/23	
Pipeline i install resensure pip 8. Addition Repairs C 9. Source 1. UID: 258	s free to move traints at ends peline will not ponal Info: Solution Solutio	in the event of a sur of JP5 pipeline and move excessively aution is dependent up analysis is in prograrty Assessment  3. Contract: Pipeline Repairs Contract luate and design axi	rge resulting in damage to collaterals on Tanks 5, 13, 14, and damage couplings.  pon the stress analysis includess  10. Critical Path/Near Critic	bupling. Need to 17, 18 and 20 to ded in Pipeline cal Path: Yes  5. Est. Comp. Date: 9/15/23	
Pipeline i install resensure pip 8. Addition Repairs C 9. Source 1. UID: 258 6. Title: 7. Descrip	s free to move traints at ends peline will not ponal Info: Solution Solutio	in the event of a sur of JP5 pipeline and move excessively aution is dependent up analysis is in progrearty Assessment  3. Contract: Pipeline Repairs Contract luate and design axieline is not restraine	rge resulting in damage to collaterals on Tanks 5, 13, 14, and damage couplings.  pon the stress analysis includes 10. Critical Path/Near Critical	bupling. Need to 17, 18 and 20 to ded in Pipeline cal Path: Yes  5. Est. Comp. Date: 9/15/23	
Pipeline i install resensure pij 8. Addition Repairs C 9. Source 1. UID: 258 6. Title: 7. Descrip Pipeline i	s free to move traints at ends peline will not ponal Info: Solution Solutio	in the event of a sur of JP5 pipeline and move excessively aution is dependent up analysis is in prograrty Assessment  3. Contract: Pipeline Repairs Contract luate and design axieline is not restraine in the event of a sur	rge resulting in damage to collaterals on Tanks 5, 13, 14, and damage couplings.  pon the stress analysis includes 10. Critical Path/Near Critical	bupling. Need to 17, 18 and 20 to ded in Pipeline cal Path: Yes  5. Est. Comp. Date: 9/15/23	
Pipeline i install resensure pip 8. Addition Repairs C 9. Source 1. UID: 258 6. Title: 17. Descrip Pipeline i install res	s free to move traints at ends peline will not ponal Info: Solution Solution: Solution Solution: F24 pipe - Evaption: F24 pipe s free to move traints at ends	in the event of a sur of JP5 pipeline and move excessively artion is dependent up analysis is in prograrty Assessment  3. Contract: Pipeline Repairs Contract luate and design axi eline is not restraine in the event of a sur of F24 main pipelin	rge resulting in damage to collaterals on Tanks 5, 13, 14, and damage couplings.  pon the stress analysis includes:  10. Critical Path/Near Critic	bupling. Need to 17, 18 and 20 to ded in Pipeline cal Path: Yes  5. Est. Comp. Date: 9/15/23	
Pipeline i install resensure pipeline i Repairs C 9. Source  1. UID: 258  6. Title: 1 7. Descrip Pipeline i install resepipeline v	s free to move traints at ends peline will not ponal Info: Solution Solutio	in the event of a sur of JP5 pipeline and move excessively aution is dependent up analysis is in progrearty Assessment  3. Contract: Pipeline Repairs Contract luate and design axi eline is not restraine in the event of a sur of F24 main pipeline excessively and dame	rge resulting in damage to collaterals on Tanks 5, 13, 14, and damage couplings.  pon the stress analysis includes:  10. Critical Path/Near Critic	bupling. Need to 17, 18 and 20 to ded in Pipeline cal Path: Yes  5. Est. Comp. Date: 9/15/23 cand laterals. bupling. Need to nd 16 to ensure	

9. Source: SGH Third Party Assessment 10. Critical Path/Near Critical Path: Yes

Repairs Contract. Stress analysis is in progress.

1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:
260	SGH ID:	Pipeline Repairs	Pending Third Party	Completed
	PM-19	Contract	Verification	
6. Title: JP	5 pipe - Con	nect lateral to protect	et dresser coupling (Tank 20	)
7. Description: Dresser couplings may not have capacity to withstand surge load like the May				
6, 2021, event (if it is replaced-in-kind and laterals to Tanks 19 and 20 are not connected				
properly). Brace end of lateral connection to prevent movement in the event of a high-				
pressure su				
			is completing closeout docu	mentation for
submission	to third-part	y for verification of		
9. Source:	SGH Third F	Party Assessment	10. Critical Path/Near Criti	cal Path: No
1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:
261	SGH ID:	Pipeline Repairs	Pending Third Party	Completed
	PM-20	Contract	Verification	
6. Title: JP	25 pipe - Con	nect lateral to protec	et dresser coupling (Tank 18	)
7. Descript	ion: Dresser	couplings may not	have capacity to withstand so	urge load like the May
6, 2021, ev	ent (if replace	ed-in-kind and later	als to Tanks 19 and 20 are no	ot connected
properly). I	Lateral conne	ction provides resili	iency in the event of a high-p	oressure surge event.
8. Addition	al Info: Wor	k is complete. DoD	completing closeout docum	entation for
submission	to third-part	y for verification of	work.	
9. Source:	SGH Third F	Party Assessment	10. Critical Path/Near Criti	cal Path: No
1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:
264	SGH ID:	Pipeline Repairs	Work in Progress (50%)	11/1/22
	PM-25	Contract		
6. Title: Ta	ank 10 12-inc	ch dresser coupling	- Provide thermal blanket	
7. Descript	ion: Dresser	coupling thermal bl	anket on 12-inch line not ins	stalled. Thermal
blanket pro	vides fire pro	otection.		
8. Addition	al Info: Mat	erials on site. Contr	actor scheduling work for in	stallation.
9. Source:	SGH Third F	Party Assessment	10. Critical Path/Near Criti	cal Path: No
1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:
265	SGH ID:	N/A	Pursuing Alternative	12/15/23
	HT-12		Solution	
6. Title: A	FFF Reclama	tion Line - install p	rotection to overhead valve (	(Adit 3)
7. Descript	ion: Provide	protection to overh	ead valve on the AFFF recla	mation line to avoid
pipeline da	mage caused	by a collision with	a moving object (such as the	harbor tunnel train).
8. Addition	al Info: DoD	o's AFFF removal p	roposal provided in the Sept	ember 7th, 2022
supplement	t 1.A would e	liminate the require	ement for these actions, provi	ide an effective
alternative	to AFFF rem	oval and prevent an	y delays to defueling Red H	ill. This requirement
is not neces	ssary if DOH	concurs with DoD'	s proposed way ahead.	
9. Source:	SGH Third F	Party Assessment	10. Critical Path/Near Criti	cal Path: Yes

1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
266	SGH ID:		Pending DOH	12/15/23	
	HP-14	Pier Contract	concurrence		
		(PVC to Steel)			
6. Title: H	otel Pier - Re	place PVC drain pi	pe		
7. Description: Replace Polyvinyl Chloride (PVC) Fuel Oil Reclamation (FOR) drain line					
located under Hotel Pier with appropriate materials. PVC FOR line is a secondary					
containment drain line and provides drainage from the pipeline containment trench to Hotel					
Pier collec					
	8. Additional Info: Design contract is underway. DoD assesses this is not required for safe defueling and is seeking DOH concurrence.				
9. Source: SGH Third Party Assessment 10. Critical Path/Near Critical Path: Yes					
)	<del></del>	<u> </u>	100 011010011 1 001110011 01110	2 00	
1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
268	TBD	Pipeline Repairs	Assessing Design and	8/15/23	
		Contract	Contract Planning		
6. Title: Po	erform pipelii	ne repairs identified	from Red Hill pipeline insp	ections / assessments	
7. Descript	ion: Placeho	lder for NDAA 318	mandated pipeline assessme	ent repair	
recommend	dations above	the scope of RMM	R contract.	-	
8. Addition	nal Info: ND	AA 318 mandated p	ipeline assessment repair rec	commendations are	
under revie	ew by DoD to	determine which re	epairs are above the scope of	RMMR contract.	
9. Source:	NDAA Secti	on 318	10. Critical Path/Near Criti	cal Path: No	
1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
269	TBD	RMMR Contract		4/1/23	
			Contract Planning		
		s per NDAA Assess			
_			mandated pipeline assessme	ent repair	
recommend	dations within	the scope of RMM	IR contract.		
			ipeline assessment repair rec		
			epairs are within the scope of		
9. Source:	NDAA Secti	on 318	10. Critical Path/Near Criti	cal Path: No	
1 1115	0 D .	2 0 1	L 4 G		
1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
310	SGH ID:	Pipeline Repairs	Work in Progress (10%)	5/16/23	
6 Tr'-1 H	PM-21	Contract	1.2011 1.		
			ect 20" dresser couplings		
_			2, 4, 6, 8, 10, 12, 14 and 16		
	-		ent. Dresser couplings to be		
			rovide axial restraints at tank		
	ıaı 11110: <b>3</b> 010	1	pon the stress analysis include	±	
Danaira Co		ncurrence from DO	H for unpacking fuel lines I	"/6 connection of	
_	entract and co		H for unpacking fuel lines. I	7/6 connection at	
Tanks 15 a	ontract and cond 16 to JP5	ncurrence from DO pipeline is a predece Party Assessment			

1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
311	SGH ID:	Pipeline Repairs	Work in Progress (10%)	5/16/23	
	PM-22	Contract			
6. Title:	JP5 pipe - Con	nect laterals to prote	ect 12" dresser couplings		
7. Description: Dresser couplings at Tanks 2, 4, 6, 8, 10, 12, 14 and 16 may not have capacity					
to withstand expected pressures for possible surge events. Dresser couplings to be protected					
by ensuring cross-tunnel lateral piping is connected or provide axial restraints at tank piping					
laterals.	laterals.				
8. Additi	onal Info: Solu	ition is dependent up	pon the stress analysis include	led in Pipeline	
Repairs (	Contract and co	ncurrence from DO	H for unpacking fuel lines. F	76 connection at	
Tanks 15	and 16 to JP5	pipeline is a predece	essor to this item.		
9. Source	e: SGH Third P	arty Assessment	10. Critical Path/Near Criti	cal Path: No	
1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
313	SGH ID: 32	Pipeline Repairs	Work in Progress (50%)	2/16/23	
		Contract			
6. Title:	JP5 / F76 pipes	s - Evaluate need for	dresser couplings and remo	ve if possible	
			er couplings in the JP5 and F		
			nk 14 and Tank 16. If they o		
safely, re	move the dress	er couplings. 32" co	oupling to be addressed as pa	art of the F76 cut-over	
item.					
			pon the stress analysis include		
_			H for unpacking fuel lines. F	76 connection at	
		pipeline is a predece			
9. Source	e: SGH Third P	arty Assessment	10. Critical Path/Near Criti	cal Path: No	
1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
316	SGH ID:	Pipeline Repairs	Work in Progress (15 %)	6/16/23	
	PM-1, PM-2	Contract			
	Equalization I	Line - Install bypass	from Tank 20 to other side	of DBB valve (JP5	
pipe)					
	Equalization I	Line - Install bypass	after Tank 20 ball valve to	main lateral (JP5	
pipe)				1.20.7	
		• 1	nd ball valves on Tanks 6 ar	-	
_			Tanks 6 and 20 to slowly eq	ualize pressure	
		•	telihood of a pressure surge.	C 11' 775	
			nce from DOH for unpacking		
			ne is a predecessor to this ite		
9. Source	: SGH Third P	arty Assessment	10. Critical Path/Near Criti	cal Path: No	

	1	r				
1.UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:		
318	SGH ID:	Pipeline Repairs	Pursuing Alternative	12/16/22		
	PM-3, PM-	Contract	Solution			
	4, PM-12					
6a. Title:	6a. Title: Equalization Line - Install bypass from Tank 15 to other side of double block and					
bleed (D)	BB) valve (F76	pipe)				
6b. Title:	Equalization 1	Line - Install bypass	after Tank 15 ball valve to	main lateral (F76		
pipe)						
6c. Title:	F76 pipe - Ev	aluate and design (it	f required) longitudinal restr	aints (Tanks 15 and		
16)						
7. Descri	ption: Lack of	bypasses on DBB a	nd ball valves on Tank 15. I	76 piping is		
longitudi	nally unrestrair	ned at the end of the	main 32-in. header. Pipeline	e is free to move in		
the event	of a surge and	could cause overstr	ess. Proposed solution is to	cut the F76 tanks over		
to the JP:	5 mainline which	ch will then be used	to drain the F76 fuel, elimin	nating need to repair		
or use the	e F76 pipelines					
8. Additi	onal Info: Usir	ng JP5 pipeline to dr	rain F76 from Tanks 15 and	16. Work includes		
installatio	on of equalizati	on lines on the JP5	valves at Tank 15. Design is	in progress.		
9. Source	e: SGH Third F	Party Assessment	10. Critical Path/Near Criti	cal Path: No		
1 LIID.	2 Donorts	2 Contracts	1 Status	5 Est Comm Datas		

1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:		
319	SGH ID:	Pipeline Repairs	Pursuing Alternative	6/16/23		
	27, PM-5,	Contract	Solution			
	PM-6					
6a. Title:	Equalization I	Line - Install bypass	from Tank 6 to other side o	f DBB valve (F24		
pipe)						
6b. Title:	Equalization 1	Line - Install bypass	after Tank 6 ball valve to m	nain lateral (F24 pipe)		
6c. Title:	6c. Title: Equalization Line - Install across tank isolation valves					
7. Descri	7. Description: Lack of bypasses on DBB and ball valves on Tanks 6 and 20. Install pressure					
equalizat	equalization lines across isolation valves at Tanks 6 and 20 to slowly equalize line pressure to					
tank head	l in order to mi	nimize the likelihood	d of a pressure surge.			
8. Addition	onal Info: The	fuel lines must be un	npacked to complete this wo	ork. The F76 cut-over		
solution (	Tanks 15 and 1	l6) to JP5 pipeline is	a predecessor for these act	ions.		
9. Source	: SGH Third F	arty Assessment	10. Critical Path/Near Crit	ical Path: No		

1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
320	SGH ID:	RMMR Contract	Work in Progress (10%)	10/3/22	
	HT-6				
6. Title:	6. Title: FOR line - Assess pipe integrity and repair as appropriate (PS 146)				
7. Description: Light corrosion on areas of Fuel Oil Reclamation (FOR) line. Pipe integrity					
assessment completed with resulting recommendation to mechanically clean and re-coat bare					
piping in area.					
8. Additional Info: Maintenance team scheduling for completion.					
9. Source: SGH Third Party Assessment 10. Critical Path/Near Critical Path: No					

1 1110	2 D /	2.0	4 0	C.E. C. D.
1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:
321	SGH ID:	Pipeline Repairs	Work in Progress (10%)	2/16/23
	LAT-24	Contract		
		all lateral stops PS 2		
			nited or no lateral restraint.	
	-		ne system in the event of a h	
		e installed on pipe sı	apports 21-103 to provide la	iteral support to the
F24 mair				
			on the stress analysis include	-
Repairs 0 2022.	Contract. Stress	analysis is in progre	ess tracking for completion	by September 30,
9. Source	: SGH Third F	Party Assessment	10. Critical Path/Near Crit	ical Path: No
		•		
1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:
324	TBD	N/A	Pursuing Alternative	12/15/23
			Solution	
		/ Replace Reclamati		
			ction to repair / replace Aqu	_
`	,		e defueling of Red Hill. Ra	-
			alternative means of remov	
			coposal provided in the Sept	
			ment for these actions, prov	
alternativ	e to AFFF rem	oval and prevent any	y delays to defueling Red H	ill. Action of this item
is pendin	g concurrence 1	by DOH on DoD's A	AFFF removal proposal.	
9. Source	9. Source: DoD Evaluation 10. Critical Path/Near Critical Path: Yes			
1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:
326	SGH ID:	RMMR Contract	Work in Progress (90%)	10/3/22
	HT-3			
6. Title: FOR line - Assess pipe integrity and repair as appropriate (PS 124)				
7. Description: Light pitting and corrosion on areas of Fuel Oil Reclamation (FOR) line. Pipe				
integrity assessment completed with resulting recommendation to mechanically clean and re-				
coat bare piping in area. Assures pipeline integrity.				
8. Additional Info: Maintenance team scheduling for completion.				
9. Source: SGH Third Party Assessment 10. Critical Path/Near Critical Path: No				
, //				

1. UID:	2. Report: TBD	3. Contract:	4. Status:	5. Est. Comp. Date: 9/30/22	
334	IBD	NDAA 318 A/E Assessment	Work in Progress (80%)	9/30/22	
6 Title:	Completion of		AA: Red Hill Fuel Transfer,	Fire Suppression	
	-				
			Pump House (UGPH) to He		
_	•	-	d Secretary of the Navy to di	-	
1 1			re, and appurtenances (custom	-	
	n from UGPH		rone equipment, at RHBFSF	. Dod continued	
			ete and un-redacted versions	(roxy data) provided	
to DOH.	DoD reviewin	g data to determine	any additional repairs requir	ed for defueling.	
	: NDAA Secti	on 318 / DoD	10. Critical Path/Near Critical Path: No		
Evaluatio	n				
1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:	
433	SGH ID:	JBPHH Hotel	Assessing Design and	9/15/23	
	HP-5, 6, 7,	Pier Contracts	Contract Planning		
	8, 11, 12,	(Pier Structure)			
	Hotel Pier Stru				
_			enders, bulkhead, and miscel		
			anodes, and incidental relate		
			to defueling per SGH assess		
			luding these repairs identifie		
•		_	DOH concerns about the st		
			OoD is coordinating with SG		
		d for defueling as tr	nese could become critical pa	ath activities effecting	
the defuel timeline.  9. Source: DOH Recommendation 10. Critical Path/Near Critical Path: No					
9. Source	. DON Recoil	imendation	10. Critical Path/Near Criti	cai Patii: No	
1. UID:	2 Reports	3. Contract:	4. Status:	5. Est. Comp. Date:	
456	2. Report: SGH ID:	RMMR Contract	Pursuing Alternative	10/3/22	
430	AGP-1	KIVIIVIK COIIII act	Solution	10/3/22	
<ul><li>6. Title: F76 line - Repair pipe sections (North Road)</li><li>7. Description: Repair pipe sections, pipe supports, and replace sections of F76 pipe sections</li></ul>					
at North Road due to crevice corrosion and deep pits at pipe support contacts. Assures					
pipeline integrity.					
8. Additional Info: Maintenance order has been approved by DoD. Submission of					
maintenance order by RMMR Contractor is required to complete any maintenance that					
requires operational support (i.e. Lock out tag out, coordination with operations, etc.) RMMR					
	Contractor scheduling work. DoD is pursuing an alternative solution for F76 line and may				
			ould be transferred to tankers		
	-				
However, work is still on RMMR Contractor's schedule for execution and is 15% complete.  9. Source: SGH Third Party Assessment					
7. Source. Soft filled farty Assessment 10. Citical faul/iveal Citical faul. 100					

				_
1. UID:	2. Report:	3. Contract:	4. Status:	5. Est. Comp. Date:
457	SGH ID:	RMMR Contract	Pursuing Alternative	10/3/22
	AGP-2		Solution	
6. Title: F76 line - Repair pipe sections (North Road)				
7. Description: Repair pipe sections, pipe supports, and replace sections of F76 pipe sections				
at North Road due to crevice corrosion and deep pits at pipe support contacts. Assures				
pipeline integrity.				
8. Additional Info: Maintenance order has been approved by DoD. Submission of				
maintenance order by RMMR Contractor is required to complete any maintenance that				
requires operational support (i.e. LOTO, coordination with operations, etc.) RMMR				
Contractor scheduling work. DoD is pursuing an alternative solution for F76 line and may				
not be required to defuel because all fuel would be transferred to tankers via Hotel Pier.				
However, work is still on RMMR Contractor's schedule for execution and is 15% complete.				
9. Source: SGH Third Party Assessment 10. Critical Path/Near Critical Path: No				

#### Attachment 1

#### Status Definitions for Repair and Enhancement Activities

- 1. **Pending Work Induction:** Recommendation is identified as a required repair, enhancement or mitigation measure for defueling operation. Identified work is pending induction and determination of best contract execution method.
- 2. **Developing Scope of Work:** Scope of work (whether for assessment, design, repair, enhancement or mitigation measure required for defueling operation) is under development.
- 3. Accessing Design and Contract Planning: Work identified in follow-on assessment (i.e. Section 318 Report, Underground Pump House to Hotel Pier Pipeline Assessment, Stress or Surge Analysis). DoD is assessing acquisition strategies to most efficiently address requirement.
- 4. In Acquisition / Pending Contract Award (Assessment, Design or Construction):
  Contract for identified assessment, design, repair or enhancement and/or mitigation measure is in the acquisition process pending (specify whether assessment, design or construction) contract award.
- 5. **Work in Progress:** Assessment, design, repair, enhancement and/or mitigation measure to pipeline system and infrastructure is in progress with total percent complete (i.e. design, acquisition and construction) shown in parentheses.
- 6. **Pursuing Alternative Solution:** DoD is proposing a different solution to address the recommendation in the third-party assessment.
- 7. **Pending Third Party Verification:** Repair, enhancement, alternative solution and/or mitigation measure is complete pending verification by contracted third-party evaluator. DoD has contracted with an Architecture / Engineering (A/E) firm for third-party quality assurance (QA) review and verification of contract items. Intent is for the third-party QA team to certify repair or enhancement is complete and submit to DOH for concurrence and close-out.
- 8. **Pending DOH Concurrence:** third-party A/E team verified completion of the recommendation and is ready for DOH concurrence.
- 9. **Received DOH Concurrence:** DOH concurred recommendation has been met and the action is considered complete.

#### Attachment 2

Contracts to Support Defueling of Red Hill Bulk Fuel Storage Facility

- a) **Pipeline A/E Contract:** contract for Architecture / Engineering (A/E) services; executed with A/E firm to complete root cause analyses for the 5/6/21 and 9/29/21 surge events.

  <u>DoD Agent:</u> Naval Facilities Engineering Systems Command (NAVFAC);

  <u>Contract #:</u> N3943020D2242; <u>Contractor:</u> Austin Brockenbrough & Associates, LLC; See Enclosure 5 for a copy of the redacted contract.
- b) National Defense Authorization Act (NDAA) Section 318 A/E Assessment: contract for Architecture / Engineering (A/E) services to conduct an inspection of the pipeline system, supporting infrastructure, and appurtenances, including valves and any other corrosion prone equipment at Red Hill Bulk Fuel Storage Facility (RHBFSF). The Secretary of the Navy directed this inspection requirement in accordance with the NDAA for Fiscal Year 2022, Section 318: Inspection of Piping and Support Infrastructure at Red Hill Bulk Fuel Storage Facility, Hawaii.

<u>DoD Agent</u>: NAVFAC; <u>Contract #</u>: N3943020D2242; <u>Contractor</u>: Austin Brockenbrough & Associates, LLC; See Enclosure 5 for a copy of the redacted contract.

- c) **Pipeline Repairs Contract:** contract for design and construction to repair fuel piping at the RHBFSF; executed with contractor to complete design and repair of contract items.

  <u>DoD Agent:</u> NAVFAC; <u>Contract #</u>: N394320D2225; <u>Contractor</u>: APTIM Federal Services, LLC; See Enclosure 5 for a copy of the redacted contract.
- d) **Recurring Maintenance / Minor Repair (RMMR) Contract:** contract that provides quarterly, semi-annual, and annual maintenance service for capitalized installation level real property. Also included is a minor repair and emergency response services for mission essential repairs.

<u>DoD Agent</u>: United States Army Corps of Engineers; <u>Contract #</u>: 47QSHA18D000Y; <u>Contractor</u>: Pond & Company

e) Automated Fuel Systems Installation (AFSI) Contract: contract that provides engineering services for the design, fabrication, integration, installation, configuration management, quality assurance, logistics, maintenance, life-cycle management and technical support capability for the installation of Automated Fuel Systems and other fuel related systems and equipment.

<u>DoD Agent</u>: Defense Logistics Agency; <u>Contract #</u>: SP4702-19-D-0005; <u>Contractor</u>: Englobal Government Services

- f) **Public Works Department (PWD) Shops:** in-house multi-trade shop forces within the Public Works Department perform construction and maintenance work based on resources available in lieu of a contract.
- g) Facility Support (FS) Contract: contracts that provide for facility services, maintenance, and installation support services for example grounds maintenance, custodial, pest control, integrated solid waste management, street sweeping, facility and utility operations and

maintenance, and transportation.

1. Elevator Maintenance:

DoD Agent: NAVFAC; Contract #: N6247820D2478;

**Contractor**: Otis Elevator Company

2. Fire Suppression System Maintenance:

DoD Agent: NAVFAC; Contract: N6247818D2466;

Contractor: Media Plumbing & Heating, Inc. DBA Kinetix

- h) **AFFF Systems Repair Contract:** a contract for design and construction of Aqueous Film Forming Foam (AFFF) fire suppression system repairs; executed with contractor to complete design and repair of contract items. The acquisition for design services is underway.
- i) **JBPHH Hotel Pier Contracts:** comprised of separate contracts for design and construction; executed with architect/engineering (A/E) firm to complete design. Once design is complete, a second contract is awarded to a construction company to complete the repair work.
  - 1. PVC to Steel:

DoD Agent: NAVFAC; Contract #: N6247820D5036/ N6247822F4351;

Contractor: Jacobs/Black & Veatch Joint Venture

2. Pier Structure:

DoD Agent: NAVFAC; Contract #: N6247820C4001;

**Contractor:** Triton Marine Construction Corp

- j) Fleet Logistics Center Pearl Harbor (FLCPH) Technical Support Contracts: separate contracts to support FLCPH in defueling operations management, training and other support to facilitate safe defueling.
  - 1. **Fuels Department Support:** provide technical support, technical writing, and knowledge management services to FLCPH Fuels Department, such as completely overhauling fuel movement operations orders.

**DoD Agent:** Naval Supply Systems Command (NAVSUP);

Contract #: N0060422P4022; Contractor: Pond & Company;

See Enclosure 5 for a copy of the redacted contract.

2. **Third Party Assessment Implementation Support:** provide engineering, process safety and hazard operability support, and training services to FLCPH Fuels Department specifically towards assisting with implementation the Third Party Assessment's operational recommendations.

<u>DoD Agent</u>: NAVSUP; <u>Contract #</u>: N0060422C0005; <u>Contractor</u>: Brice Solutions, LLC; See Enclosure 5 for a copy of the redacted contract.