






























































































ID	Task Mode	Task Name	Duration	Year 1						Year 2						Year 3		
				11	1	3	5	7	9	11	1	3	5	7	9	11	1	3
1		 <b>Delivery Order xxx</b>	524 days?															
2		<b>Project Management</b>	115 days															
3		Notice to Proceed	0 days															
4		Bond submittal	10 days															
5		Site Visit - Authorization & Scheduling	4 wks															
6		Site Visit	5 days															
7		Obtain security access for team	16 wks															
8		<b>Safety Plan</b>	42 days															
9		Hold Team Safety Planning Meeting	1 day															
10		Identify Safety Requirements	1 day															
11		Prepare Draft Safety & APP	10 days															
12		Submit Draft Safety & APP	0 days															
13		GOVT review of Draft Safety & APP	10 days															
14		Prepare FINAL Safety & APP	10 days															
15		Submit Final Safety & APP	0 days															

ID		Task Mode	Task Name	Duration	Year 1											Year 2					Year 3		
					11	1	3	5	7	9	11	1	3	5	7	9	11	1	3				
16			GOVT review of Final Safety & APP	10 days																			
17			GOVT approval of Final Safety & APP	0 days																			
18			Environmental Plans	41 days																			
19			Hold Team Environmental Meeting	1 day																			
20			Develop Draft Environmental Document	10 days																			
21			Submit Draft Env. Doc.	0 days																			
22			GOVT review of Draft Env. Doc.	10 days																			
23			Prepare Final Env. Doc.	10 days																			
24			Submit Final Env. Doc.	0 days																			
25			Govt review of Final Env. Doc.	10 days																			
26			Govt approval of Final Env. Doc.	0 days																			
27			Engineering	76 days																			
28			Plans & Specs	71 days																			
29			Inspection Plans & Specs	70 days																			
30			Review Tank History and Prep Data	5 days																			




























ID		Task Mode	Task Name	Duration	Year 1							Year 2							Year 3		
					11	1	3	5	7	9	11	1	3	5	7	9	11	1	3		
31			Prepare Draft Inspection Design	20 days																	
32			Submit Draft Inspection Design	0 days																	
33			GOVT review of Draft Inspection Design	10 days																	
34			Prepare Final Inspection Design	20 days																	
35			Submit Final Inspection Design	0 days																	
36			GOVT review of Final Inspection Design	10 days																	
37			Govt approval of Final Inspection Design	0 days																	
38			Prepare Final Documentation	5 days																	
39			Repair Plans & Specs	66 days																	
40			Review Tank History and Prep Data	1 day																	
41			Prepare Draft Repair Design	20 days																	
42			Submit Draft Repair Design	0 days																	
43			GOVT review of Draft Repair Design	10 days																	
44			Prepare Final Repair Design	20 days																	
45			Submit Final Repair Design	0 days																	
































ID	Task Mode	Task Name	Duration	Year 1							Year 2					Year 3		
				11	1	3	5	7	9	11	1	3	5	7	9	11	1	3
46		GOVT review of Final Repair Design	10 days															
47		Govt approval of Final Repair Design	0 days															
48		Prepare Final Documentation	5 days															
49		Develop Procurement Orders	5 days															
50		Procurement & Logistics	80 days															
51		Material Procurement	60 days															
52		Select Vendor/subcontractors	5 days															
53		Prepare IFB documents	5 days															
54		Issue IFB to vendors	0 days															
55		Bid Period	20 days															
56		Assess Bids	5 days															
57		Issue P.O.s	0 days															
58		Supply Materials/Lead time Notification	20 days															
59		Ship Materials to site	5 days															
60		Mobilize Support Containers	20 days															


































ID		Task Mode	Task Name	Duration	Year 1							Year 2							Year 3		
					11	1	3	5	7	9	11	1	3	5	7	9	11	1	3		
61			Assemble Support Equipment	5 days																	
62			Ship Support equipment to site	15 days																	
63			Tank Inspections, Repair, and Support Activities	358 days?																	
64			Pre-Task Activiites	40 days																	
65			Mobilize Site Manager, SSHO, QC	1 day																	
66			Perform Area Reconnaissance	5 days																	
67			Obtain Permits	4 wks																	
68			Mobilize Team	1 day																	
69			Site Orientation	1 day																	
70			Inventory & set up equipment	10 days																	
71			Hold Kick-Off Meeting	1 day																	
72			Review Safety/Lock-out/Confined Space	1 day																	
73			Tank xx Vertical Storage Tank (RH)	318 days?																	
74			Prep Tank for Cleaning & Inspection Access	41 days																	
75			Request Permission to Take tank OOS	0 days																	
































ID		Task Mode	Task Name	Duration	Year 1							Year 2							Year 3		
					11	1	3	5	7	9	11	1	3	5	7	9	11	1	3		
76			Hold Safety Meeting	1 day																	
77			Temporary Electrical - et-up Panel & Power Connection	10 days																	
78			Isolate & Block Tank Inlet header Valves	2 days																	
79			LO/TO Tank - Install Blinds	2 days																	
80			Drain Rsidual Product - Into Area Slop Line	1 day																	
81			Remove DBB Valves w/Motor Operators	5 days																	
82			Isolate & Remove Upper Tunnel Piping/Vent Spool	5 days																	
83			Install Ventilation Equipment and Hoses	5 days																	
84			Vapor Free the Tank	10 days																	
85			Clean Tank	35 days																	
86			Obtain Daily Confined Space Entry Permit	1 day																	
87			Gas Test - Part of confined Space Permits	1 day																	
88			Ensure all PPE and Tools available	1 day																	
89			Remove manways	1 day																	
90			Certify Tanks for Entry	1 day																	











ID		Task Mode	Task Name	Duration	Year 1							Year 2							Year 3		
					11	1	3	5	7	9	11	1	3	5	7	9	11	1	3		
91			Set Up Cleaning and Recycle Equipment	4 days																	
92			Clean tanks - Pressure Blast Internal Surfaces	20 days																	
93			Certify Gas Free	1 day																	
94			Dispose of residual product and Sludge from Cleaning	5 days																	
95			Catwalk & Structure - Inspection and Repairs	35 days																	
96			Obtain Daily Confined Space Entry Permit	1 day																	
97			Gas Test - Part of confined Space Permits	1 day																	
98			Install temporary lighting and Safety cabling	2 days																	
99			Insepct catwalk and hadrails	1 day																	
100			Submit list of identified items for NAVFAC Approval	1 day																	
101			Obtain approval from NAVFAC	10 days																	
102			Repair catwalk deficiencies and replace missing bolts	1 day																	
103			Install Scaffolding for tower access	2 days																	
104			Inspect tower & crane structure	2 days																	
105			Submit list of identified items for NAVFAC Approval	1 day																	

ID		Task Mode	Task Name	Duration	Year 1							Year 2							Year 3		
					11	1	3	5	7	9	11	1	3	5	7	9	11	1	3		
106			Obtain approval from NAVFAC	10 days																	
107			Repair tower and crane structure	5 days																	
108			Tank Access Preparation	9 days																	
109			Install Temporary lighting and Safety cabling	1 day																	
110			Install crane Boom & Lift equipment	6 days																	
111			Install Addl Scaffolding - in areas not accessible (lower & upper dome)	1 day																	
112			Remove Interferences	1 day																	
113			Pipe Testing	17 days?																	
114			Set up Test Equipment	1 day																	
115			Hydro Lower Piping sections	12 days																	
116			Visually inspect piping	2 days																	
117			Remove test equipment	1 day																	
118			Issue Presure test and visual inspection report to NAVFAC	1 day?																	
119			Tank - Nondestructive testing & API 653 Inspection	58 days																	
120			NDT - Upper & Lower Dome & Shell	40 days																	



ID		Task Mode	Task Name	Duration	Year 1							Year 2							Year 3		
					11	1	3	5	7	9	11	1	3	5	7	9	11	1	3		
121			API 653 Inspection - Upper & Lower Dome & Shell (UT)	10 days																	
122			API 653 Inspection - Nozzles & manways	2 days																	
123			API 653 - Appurtenances	2 days																	
124			NACE Inspection - Coatings	4 days																	
125			Tank Inspection Report	60 days																	
126			Prepare Draft Inspection Report	20 days																	
127			Submit Draft Inspection Report to GOVT	0 days																	
128			GOVT review of Draft Inspection Report	10 days																	
129			Prepare Final Inspection Report	20 days																	
130			Govt Review of Final Inspection Report	10 days																	
131			Govt approval of Final Inspection Report	0 days																	
132			Tank - Perform Predictive Repairs	40 days																	
133			Perform Tank Repairs	40 days																	
134			Tank Coating	15 days																	
135			Sandblast & Coat Lower Dome	10 days																	

ID		Task Mode	Task Name	Duration	Year 1							Year 2							Year 3		
					11	1	3	5	7	9	11	1	3	5	7	9	11	1	3		
136			Paint Cure Time	1 wk																	
137			Prepare Tank Return to Operator Documentation	60 days																	
138			Prepair Draft RTO Document	20 days																	
139			Submit Draft RTO document to GOVT	0 days																	
140			Govt Review of RTO document	10 days																	
141			Prepare Final RTO document	10 days																	
142			Submit Final RTO Document to GOVT	0 days																	
143			Govt review of final RTO document	10 days																	
144			Govt approval of final RTO document	0 days																	
145			NAVSUP approval of RTO document	2 wks																	
146			Return Tank to Service	26 days																	
147			Remove Lift Equipment from Tank	5 days																	
148			Remove Scaffolding for Tower Access	1 day																	
149			Remove tools, lighting and Safety Devices from tank	1 day																	
150			Rmove Blinds & fittings protections	2 days																	

ID		Task Mode	Task Name	Duration	Year 1							Year 2							Year 3		
					11	1	3	5	7	9	11	1	3	5	7	9	11	1	3		
151			Reinstall Manway and vent spool	2 days																	
152			Reinstall lower piping spools and motor valves	12 days																	
153			Inspect tank using inspection checklist	1 day																	
154			Inform Operators of Tank Readiness	1 day																	
155			Remove Locks and Chains from Tank Valves	1 day																	
156			Start Tank Filling procedure	40 days																	
157			Monitor tank for leaks	20 days																	
158			Check all tank appurtenances for weeps, drips	20 days																	
159			Begin Normal Operations	0 days																	