

Existing Conditions of Tank Farm Components

ID	Item	Part of	Location	Conditions	
				Visual Condition	Remarks
FUELING PIER (FP)					
FP 1	Floor Slab	Fueling Pier	All traffic surface on pier	Good	No cracks or corrosion damage visible; expansion joints exhibit good condition. No impact damage seen.
FP 2	Pipeline Support Beams	Fueling Pier	All along the west side of the pier	Good	All 77 beams exhibit excellent conditions. No significant superficial damage could be observed. Some metal bases and attachment studs (3/4" dia.) are missing. No significant impact damage could be observed throughout.
FP 3	Loading/unloading Towers	Fueling Pier	At end of pier	Missing	Removed by the Navy prior to property conveyance
FP 4	Tower Bases	Fueling Pier	At end of pier	Good	Studs and bases in good condition, no major repairs needed.
FP 5	Floor Grilles at Tower Bases	Fueling Pier	At end of pier	Deficient	Fiber glass walking grilles need partial substitution due to observed breakage due to impacts.
FP 6	Pier Bollards	Fueling Pier	Throughout the outer half of the pier	Good	No repair or maintenance required, based on visual inspection.
FP 7	Pier Fenders	Fueling Pier	Throughout the outer half of the pier	Good	Anchor systems, chains and fenders exhibit satisfactory condition; no damage needing repairs are apparent.
FP 8	Concrete Piles	Fueling Pier	Support system for the entire pier	Good	Light damage attributed to age, particularly within the high-low tide zone. No breakdown needing repairs are apparent.
FP 9	Pedestrian Railing System	Fueling Pier	Throughout both sides of pier	Good	Railings, support posts, base plates and anchors show satisfactory conditions. No corrosion or missing parts could be seen.
FP 10	16" dia. Fuel Pipe	Fueling Pier	All along the west side of the pier	Missing	Fuel pipeline has been removed as part of the decommission by the Navy. The underground pipeline from the jetty to the pump station was also decommissioned.
FP 11	6" Potable Water Pipe	Fueling Pier		Good	Light corrosion damage due to lack of exterior coating. Hanging hardware exhibit good condition. Ultrasound measurements at various points around its circumference suggest the thicknesses are within nominal values (around 7.1mm). Observed light damage can be easily repaired and maintained through a new exterior coating.

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FP 12	8" Fire Suppression Pipe	Fueling Pier	All along the east side of the pier	Good	Light corrosion damage due to lack of exterior coating. Only about 40 meters near the entrance to the pier and intersections near the tower bases exhibit major exterior corrosion. Hanging hardware exhibit good condition. Ultrasound measurements at various points around its circumference suggest the thicknesses are within nominal values. Observed light damage can be easily repaired and maintained through a new exterior coating. The portions with excessive corrosion might need replacing.
FP 13	8" Sanitary Sewer Pipe	Fueling Pier		Deficient	Total replacement suggested due to possible clogging and weather damage.
FP 14	Lighting Poles	Fueling Pier	Scattered across the pier length	Good	Poles exhibit good condition; only needing repairs at its bases and lamp fixtures. Wiring is assumed to be vandalized.
FP 15	Electrical Conduits	Fueling Pier	All along the east side of the pier	Good	Good condition of the conduits in over 90% of its total length. Requires complete re-wiring due to theft and vandalism.
FP 16	Electric Junction Boxes at Towers	Fueling Pier	At the base of every loading/unloading tower	Unknown	Blast-proof, metal enclosures in good condition. Actual controls and electrical elements in unknown condition.
FP 17	Pier Transformer and Electrical Panel	Fueling Pier	East of pier entrance	Good	Not load tested. Single phase, 25Kva transformer and panels visually in good state. Corrosion protection coating and load testing recommended.

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PUMP STATION (PS)					
PS 18	Pump Room - General	Pump Station			Pump Room is formed by seven centrifugal, split shell. Motors are General Electric (three are 200hp, three are 175hp and one is 125hp).
PS 19	Motors	Pump Station		Unknown	in good visual condition. Some corrosion damage could be seen in the axis and body of some. Internar assessment is necessary to determine its working capacity.
PS 20	Pump Station Electrical Sub-station	Pump Station	North of Building 1982, near control room.	Deficient	Primary power sub-station in need of maintenance and code upgrades. Secondary power needs complete overhaul given the damage observed due to vandalism.
PS 21	Pumps	Pump Station		Unknown	Equipment seen in good condition. No oil leaks could be observed. Internal inspection was not performed. No "live" testing was performed, just exterior visual inspection.
PS 22	Pump Room Building and Civil Structures	Pump Station		Good	Observed in good condition, no major cracks or structural damage to the concrete structure. Equipment bases and equipment anchoring are in good working condition. Motor/pump steel plates are seen in good condition.
PS 23	Suction piping, discharge and interconnecting manifolds	Pump Station		Unknown	Equipment seen in good condition, other than minor corrosion damage to the exterior. Last pressure testing (@150psi) documented in June 2002). Check and other valves seen in good exterior condition. The manifold piping is seen in good condition; but it is usability is unknown as the extentes of the bentonite plug installed in the underground piping is unknown.
PS 24	Backup Generator	Pump Station		Deficient	The equipment observed is heavily damaged and in unusable condition.
PS 25	Secondary Power Transformers	Pump Station		Unknown	The secondary power distribution with transformers are seen in good condition; no load testing performed.
PS 26	Terminal Control Panels	Pump Station			

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FUEL TANK 2436					
FT 27	Tank 2436 - General	Tank 2436	Tank 2436	Good	This tank features an internal floating roof. Ultrasound testing revealed the following results: 20.0mm in the lower ring and 8.4mm on the roof (including coating). This tank has electromechanic level indication instrumentation.
FT 28	Tank 2436 - Vertical	Tank 2436	Tank 2436	Good	Walls painted inside and outside. No significant corrosion damage could be seen. Connection fittings are observed without corrosion and in generally good condition. Existing coating presents ageing.
FT 29	Tank 2436 - Railings, balusters, stair steps and landings	Tank 2436	Tank 2436	Good	Minor corrosion damage due to ageing of exterior coating.
FT 30	Tank 2436 - Pipeline Connection fittings	Tank 2436	Tank 2436	Good	Connection fittings are observed without corrosion and in generally good condition.
FT 31	Tank 2436 - Bottom	Tank 2436	Tank 2436	Good	Bottom planks seen from the outside. Outside protection of the floor and foundation could be compromised by gaps in this bituminous seal due to tree and shrub aoutgrowth. No major corrosion damage found during the visit.
FT 32	Tank 2436 - Foundations	Tank 2436	Tank 2436	Good	Tank sits on a conical berm lined with concrete, which shows good condition.
FT 33	Tank 2436 - Roof	Tank 2436	Tank 2436	Good	Roof steel planks in good condition. No important corrosion observed in weld lines. All connections seem in good condition. Steel measured at the roof ridge to see if corrosion due to condensation has occurred, but the ultrasound testing could not detect any. Safety guardrail shows minimal corrosion.
FT 34	Tank 2436 - Internal Floating Roof	Tank 2436	Tank 2436	Good	
FT 35	Tank 2436 - Spill Containment Berm	Tank 2436	Tank 2436	Good	Concrete slab and berms exhibit good condition, expansion joints need repair due to weed and shrub outgrowth.

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FUEL TANKS SERIES 2270					
FT 36	Tanks Series 2270 - General	Tanks Series 2270	Tanks Series 2270	Good	Five fixed-roof tanks included in Series 2270 (2270, 2271, 2272, 2273, 2274). Of these, a representative external, visual inspection was performed on tanks 2270, 2271 and 2273. Ultrasound testing revealed thicknesses within 13.0-14.0mm in all vertical components (including coating). Tanks 2270 and 2273 show an approx. 12'-0" long repair on its wall, 6" above the floor line and including around 24" of ring #2.
FT 37	Tanks Series 2270 - Vertical	Tanks Series 2270	Tanks Series 2270	Good	Walls painted on outside (painted inside but current condition is unknown). No significant corrosion damage could be seen. Visual inspection was performed to walls, stair and guardrails. Wind girders exhibit minor corrosions (+/- 5%). Existing coating presents ageing.
FT 38	Tanks Series 2270 - Railings, balusters, stair steps and landings	Tanks Series 2270	Tanks Series 2270	Good	Minor corrosion damage due to ageing of exterior coating.
FT 39	Tanks Series 2270 - Pipeline Connection fittings	Tanks Series 2270	Tanks Series 2270	Good	Connection fittings are observed without corrosion and in generally good condition.
FT 40	Tanks Series 2270 - Bottom	Tanks Series 2270	Tanks Series 2270	Good	Bottom planks seen from the outside. Outside protection of the floor and foundation could be compromised by gaps in this bituminous seal due to tree and shrub outgrowth. No major corrosion damage found during the visit.
FT 41	Tanks Series 2270 - Foundation	Tanks Series 2270	Tanks Series 2270	Good	The rhombus-shaped, concrete surface is seen in good condition. No significant damage seen caused by fatigue of impact. No depressions observed near tank foundations.
FT 42	Tanks Series 2270 - Roof	Tanks Series 2270	Tanks Series 2270	Good	Roof steel planks in good condition. No important corrosion observed in weld lines. All connections seem in good condition. Steel measured at the roof ridge to see if corrosion due to condensation has occurred, but the ultrasound testing could not detect any. Safety guardrail shows minimal corrosion except on its bases, which show major corrosion.
FT 43	Tanks Series 2270 - Spill Containment Berm	Tanks Series 2270	Tanks Series 2270	Good	Asphalt slabs and berms exhibit good condition but need repairs due to weed and shrub outgrowth.

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FUEL TANKS 1995 & 1996					
FT 44	Tanks 1995 & 1996 - General	Tanks 1995 & 1996	Tanks 1995 & 1997	Good	Two fixed-roof tanks (1995 and 1996). Ultrasound testing revealed thicknesses within 16.0mm in all vertical components (including coating).
FT 45	Tanks 1995 & 1996 - Vertical	Tanks 1995 & 1996	Tanks 1995 & 1997	Good	Walls painted on outside (painted inside but current condition is unknown). No significant corrosion damage could be seen. Visual inspection was performed to walls, stair and guardrails. Existing coating presents ageing.
FT 46	Tanks 1995 & 1996 - Railings, balusters, stair steps and landings	Tanks 1995 & 1996	Tanks 1995 & 1997	Good	Minor corrosion damage due to ageing of exterior coating.
FT 47	Tanks 1995 & 1996 - Pipeline Connection fittings	Tanks 1995 & 1996	Tanks 1995 & 1997	Good	Connection fittings are observed without corrosion and in generally good condition.
FT 48	Tanks 1995 & 1996 - Concrete Ring	Tanks 1995 & 1996	Tanks 1995 & 1997	Good	Seen in good condition. No concrete failures observed. No corrosion-caused cracks observed. Damage caused in the joints between the concrete ring and the berm floor by growing trees and shrubs.
FT 49	Tanks 1995 & 1996 - Foundation	Tanks 1995 & 1996	Tanks 1995 & 1997		
FT 50	Tanks 1995 & 1996 - Roof	Tanks 1995 & 1996	Tanks 1995 & 1997	Good	Roof steel planks in good condition. No important corrosion observed in weld lines. All connections seem in good condition. No safety railing installed.
FT 51	Tanks 1995 & 1996 - Spill Containment Berm	Tanks 1995 & 1996	Tanks 1995 & 1997	Good	Concrete slab and berms exhibit good condition, expansion joints need repair due to weed and shrub outgrowth.