

Red Hill Bulk Fuel Storage Facility Historical Fuel Storage

TANK	1940s			1950s			1960s			1970s			1980s			1990s			2000s			2010s			2020-2023																																																										
	EARLY			MID			LATE			EARLY			MID			LATE			EARLY			MID			LATE			EARLY			MID			LATE																																																	
	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22
1	F-76									F-76 → JP-5									JP-5									EMPTY																																																							
2	F-76									JP-5									F-24																																																																
3	NSFO									NSFO → F-76									F-76									JP-5									JP-5 → JP-8									JP-8									F-24																												
4	NSFO									NSFO → F-76									F-76									JP-5									JP-5 → JP-8									JP-8									F-24																												
5	NSFO									NSFO → F-76									F-76									JP-5									JP-5 → JP-8									JP-8									EMPTY									F-24																			
6	NSFO									NSFO → F-76									F-76									JP-5									F-76									JP-5									EMPTY → JP-8									JP-8									F-24										
7	NSFO									NSFO → F-76									F-76									F-76									JP-5									JP-5																																					
8	NSFO									NSFO → F-76									F-76									F-76									JP-5									JP-5																																					
9	NSFO									NSFO → F-76									F-76									F-76									JP-5									JP-5																																					
10	NSFO									NSFO → F-76									F-76									F-76									JP-5									JP-5																																					
11	NSFO									NSFO → F-76									F-76									F-76									F-76 → JP-5									JP-5																																					
12	NSFO									NSFO → F-76									F-76									F-76									JP-5									JP-5																																					
13	NSFO									NSFO → F-76									F-76									F-76									JP-5									F-76									EMPTY																												
14	NSFO									NSFO → F-76									F-76									F-76									JP-5									F-76									EMPTY																												
15	NSFO									NSFO → F-76									F-76									F-76									F-76									F-76									F-76																												
16	NSFO									NSFO → F-76									F-76									JP-5									JP-5									JP-5 → F-76									F-76																												
17	NSFO									POL CONVERSION									JP-5									AVGAS → JP-5									JP-5									JP-5									EMPTY																												
18	NSFO									POL CONVERSION									JP-5									AVGAS → JP-5									JP-5									JP-5									EMPTY																												
19	NSFO									POL CONVERSION									AVGAS → JP-5									JP-5									JP-5									EMPTY									EMPTY																												
20	NSFO									POL CONVERSION									AVGAS → JP-5									JP-5									JP-5									JP-5									EMPTY																												
ST-1																												JP-8									JP-8 → F-24																																														
ST-2	NSFO: 3									NSFO: 2																		JP-5									JP-5																																														
ST-3	F-76: 1									F-76: 1																		F-76									F-76																																														
ST-4																												F-76									F-76																																														

LEGEND

F-76 (MARINE DIESEL / NAVY DISTILLATE / DIESEL OIL)
NSFO
AVGAS
JP-5
JP-8
F-24
EMPTY

1942 (b) (3) (A)

1980

NOTES

- Represented fuel history is based on best consensus from the following source documents:
 - 2015 Historic American Engineering Record report
 - Tank reports (including API 653 Inspection/Evaluation Reports and Red Hill Facility Tank Inspection, Repair and Maintenance Report and Administrative Order on Consent Statement of Work Section 2.2 Appendices)
 - Table of historical fuel storage from 2019 Conceptual Site Model, Investigation and Remediation of Releases and Groundwater Protection and Evaluation report for RHBFSF. This table references the following sources:
 - 2005 Department of Navy Groundwater Long Term Monitoring reports (2018f)
 - Tank inspection reports
 - CIV NAVSUP review 2019-06-18
 - 1960-1963 POL Conversion project documents for TKs 17-20
 - Generator knowledge, including tank repair history and quarterly groundwater monitoring reports
- Color gradients capture inconsistencies between source documents for service start dates
- For simplicity, historical references to storage of 'Navy Distillate' and 'F-76 Diesel Fuel - Marine' were combined as both fuels have the NATO designation F-76
- JP-8 (Jet A-1 base + additive package) and F-24 (Jet A base + additive package) are both kerosene-based (C8 - C17) fuels with no fundamental difference in terms of potential environmental contaminants.
- Tanks 17 and 18 may have contained AVGAS for a brief period in mid 1960s (as represented) but not confirmed
- Empty periods for tank cleaning are not represented.
- The surge tanks were originally numbered as depicted in the graphic above. Around 1980, the numbering convention was changed.