

### Historical Data of Tank Releases

It is believed that not all Tell tale indications were external leaks due to the conditions of the Tell tales pipes when the tanks were periodically opened up for clean/inspect/repair. These pipes had pinholes in them allowing fuel inside the tank to enter the Tell tale system providing a false positive. Because of this, it cannot be determined how many of these leaks were to the environment. During leak tests in the 1990's it was identified that there was leakage through gate valves external to the tank. The leakage caused fuel to leak past the valve into the pipeline. It is assumed that the old gate valves (since replaced with double block bleed valves) could have been the cause of unexplained changes in fuel levels.

Tank 1		
Year	Qty	Comments
1947	5 gal in 8 minutes	DO draining from Tell tale
1964	1 quart in 2.5 minutes	Drainage from Tell tale 2
	1 quart in 4 min. 10 sec	Drainage from Tell tale 2
1970	4,623 gals over 63 days	During period of static storage from a loss of
1971	16,830 gals over 191 days	During period of static storage from a loss of
1971	5,031 gals	During period of static storage from a loss of
1972	4,810 gals over 56 days	During period of static storage from a loss of
1973	1 quart in 5 min	Drainage from Tell tale 11 & 12
1975	10,671 gals over 6 days	Unexplained drop in tank level
1977	999 gals over 75 days	Drainage from Tell tale no 3 at 8 drops/min. Tank level drop
12/77 – 4/78	7874 over 114 days	Drainage from Tell tales no 3 & 8 @ 10.85 drops/min. Tank level drop
1978	13,221 gals over 127 days	Drainage from Tell tales no 3 & 8 @ 10.86 drops/min. Tank level drop
1981-1982		Contract to remove original Tell tale pipes
1982	2416.7 gals over 6 days	Tank level drop
	870.9 gals over 54.67 days	Tank level drop
1983	2229.0 gals over 75.67 days	Tank level drop

1999	Unknown	Level at 22.396 remaining stub of Tell tale pipe no 11 found to be leaking steady stream into Lower Access Tunnel. Pipe capped.
2004		Out of Commission
Tank 2		
1947	Unknown	First oil leak developed. Transferred oil to UTF.
1954	3 pints in 2 hours	Leak from Tell tale no 9
Tank 3		
No data found		
Tank 4		
No data found		
Tank 5		
1965	1 gal in 1 hr 15 min	Leak in Tell tale no. 2 suspected
1972	2 qts per day	Tell tale leak
1975	Unknown	Leak on 10' sample tap
1976	Unknown	Leak in a sample line
Tank 6		
1963	Unknown	Repairs and tests done to Tell tales and gate valve.
Tank 7		
1973	Unknown	Leakage from Tell tale
1980	Varies from 12.7 to 609 gal/day	From leak tests conducted from Feb 1980 to Jan 1981
Tank 8		
No data found		
Tank 9		
No data found		
Tank 10		
1973	Unknown	Suspected leak. No sign of oil from Tell tale
1976	60 drops per minute	Tell tale #1 leak
1980 to 1981	Varies from 2.4 to 1,206 gal/day	From leak tests conducted from Apr 1980 to Feb 1981
1981	Unknown	Severe leak between 235 and 242.1 ft

		level. Fuel ran out of concrete near first platform on stairway to top of dome.
Tank 11		
1980	8/8 - 1,000 to 1,500 gal/day. Then 20 gal/hr after tank level was dropped.	Observed leakage. Tank level dropped in stages. Leak location determined at 51 ft from bottom. Tank leaking at 20 gals/hr until tank can be completely drained.
1980	Varies from 165 to 2,412 gal/day	From tests conducted from Aug 1980 to Sep 1980 after initial repairs
Tank 12		
1964	Unknown	Leak in dome section
1973	0.3 per day	Discovered after filling tank to 40' level after repairs completed. No leaks when product lowered to 20' level
1981	1,440 gal/day	Discovered when tank filled to 100 ft level after repairs completed.
Tank 13		
1972	Unknown	Leak in collector ring
1981	Unknown	Leak when filled above 188 ft level after leak repairs completed
Tank 14		
No data found		
Tank 15		
1981	Unknown	Tank leak discovered
Tank 16		
1948	Unknown	Leak at 242' 5-5/16" level in Tell tale
1949	2-1/4" in 11 days	July: Tell tale leak when filled to 167' 7-1/2"
1949	3-5/8" in 4 days	Dec: Leak when topped off at 242' 1-13/16"
1973	1 drop in 20 seconds	Tell tale leak
1981	Unknown	Tank refilled after repairs to 242 ft and was found to leak badly.
1982	1 gal/day	Based on telemetry readings

1998	1,468.7 gal over 30.67 days	Tank level drop from 109.099' to 109.074'
1998		Tank emptied due to concern over tank level drop and petroleum found under base of tank.
Tank 17		
1969	1 gal / 1-1/2 minutes	Tell tales #5, #6 and #8 leaking
1975	Unknown	Tell tale #8 started leaking at 237' level
Tank 18		
No data found		
Tank 19		
1964	20 cc per 4 hours for 19 days	Leak from Tell tale #8. April 15-21 tank was emptied. Leakage rate dropped from 20cc /4 hrs to 3.4 cc /4hrs to 1.0 cc / 6 hrs.
Tank 20		
No data found		