

Water Tender Calibration Worksheet



1. Unit Identification	2. Apparatus Characteristics	3. Water Handling Factors
1a. Home Agency / Fire Department Chickasaw FD	2a. Tank Volume (Nominal) (gal) 3,768	3a. Average Speeds for Estimates (mph) 25 35 45
1b. Unit Designator T-1103	2b. Maximum Fill Rate (gpm) 968	3b. Fill Site Handling Time (minutes) 0.5
1c. Apparatus Design → Residual Water Factor (k) Conventional $k = 0.9$	2c. Average Dump Rate (gpm) 2,992	3c. Dump Site Handling Time (minutes) 0.5

4. Continuous Flow Contribution (CFC) Estimates (gpm)								
Average Travel Speed (mph)	Round-Trip Route Distance (miles)							
	1	2	3	4	5	10	15	20
25 mph	422	325	264	223	192	114	81	63
35 mph	461	374	315	271	239	149	108	85
45 mph	487	408	352	309	276	179	132	105

