Length of Pipe (ft)	Allowable Leakage (gallons per hour)									
	Pipe Size (inches)									
	6	8	12	16	20	24	30	36	42	48
50	0.02	0.03	0.05	0.07	0.08	0.10	0.12	0.15	0.17	0.20
100	0.05	0.07	0.10	0.13	0.17	0.20	0.25	0.30	0.35	0.40
200	0.10	0.13	0.20	0.26	0.33	0.40	0.50	0.60	0.70	0.79
300	0.15	0.20	0.30	0.40	0.50	0.60	0.74	0.89	1.04	1.19
400	0.20	0.26	0.40	0.53	0.66	0.79	0.99	1.19	1.39	1.59
500	0.25	0.33	0.50	0.66	0.83	0.99	1.24	1.49	1.74	1.99
600	0.30	0.40	0.60	0.79	0.99	1.19	1.49	1.79	2.09	2.38
700	0.35	0.46	0.70	0.93	1.16	1.39	1.74	2.09	2.43	2.78
800	0.40	0.53	0.79	1.06	1.32	1.59	1.99	2.38	2.78	3.18
900	0.45	0.60	0.89	1.19	1.49	1.79	2.23	2.68	3.13	3.57
1,000	0.50	0.66	0.99	1.32	1.66	1.99	2.48	2.98	3.48	3.97
2,500	1.24	1.66	2.48	3.31	4.14	4.97	6.21	7.45	8.69	9.93
5,000	2.48	3.31	4.97	6.62	8.28	9.93	12.41	14.90	17.38	19.86
7,500	3.72	4.97	7.45	9.93	12.41	14.90	18.62	22.34	26.07	29.79
10,000	4.97	6.62	9.93	13.24	16.55	19.86	24.83	29.79	34.76	39.72

FORMULA: $L = \frac{SD\sqrt{P}}{148{,}000}$

WHERE:

L= ALLOWABLE LEAKAGE (GAL./HR.)
S= LENGTH OF PIPE TESTED IN FEET.
D= NOMINAL PIPE DIAMETER IN INCHES.
P= TEST PRESSURE (150 PSI)

NOTE:

1. THESE CALCULATIONS ARE BASED ON "AWWA C-600-10" SPECIFICATIONS, SECTION 4, HYDROSTATIC TESTING, DATED DECEMBER 1, 2005.
2. WHEN TESTING AGAINST CLOSED METAL-SEATED VALVES, AN ADDITIONAL LEAKAGE PER CLOSED VALVE OF 0.0078 GAL./HR./IN. OF NOMINAL VALVE SIZE WILL BE ALLOWED.