

Figure: 30 TAC §115.788(a)(2)(B)

Table 1: Minimum Number of Valves to Sample based on Total Valve Population Count and Company Determined Leaker Rate											
Note: Values based on a hypergeometric distribution, alpha=0.05, beta=0.20 Null Hypothesis = company claim leaker rate is correct Alternate Hypothesis = greater than or equal to company claimed leaker rate plus 2%											
Total Valve Population Count	Company Claimed Leaker Rate (number of leaking valves/total population valve count)										
	0.000 up to 0.005	0.006 up to 0.010	0.011 up to 0.015	0.016 up to 0.020	0.021 up to 0.025	0.026 up to 0.030	0.031 up to 0.035	0.036 up to 0.040	0.041 up to 0.045	0.046 up to 0.050	0.051 or greater
100 to 150	87	101	110	110	116	120	124	124	127	129	131
151 to 300	139	159	165	173	193	200	213	218	226	233	236
301 to 400	152	167	183	204	228	265	278	284	290	296	305
401 to 500	155	172	201	234	250	278	280	295	300	312	328
501 to 600	158	207	220	263	281	295	343	349	354	359	362
601 to 700	159	211	238	266	303	319	343	353	370	391	402
701 to 800	161	223	253	268	310	362	386	389	392	408	422
801 to 900	162	234	272	297	331	385	385	392	422	439	462
901 to 1,000	163	245	278	298	337	387	391	411	443	456	481
1,001 to 1,500	165	254	280	330	386	414	451	486	526	551	567
1,501 to 2,000	167	256	316	359	392	460	495	525	565	599	629
2,001 to 2,500	214	258	316	361	416	462	515	562	598	613	671
2,501 to 3,000	216	258	316	390	443	485	557	581	634	660	703
3,001 to 6,000	218	260	320	393	471	532	600	639	704	742	806
6,001 to 10,000	219	261	354	422	472	555	622	676	738	790	850
10,001 to 25,000	219	262	355	423	498	557	643	696	773	823	894
25,001 to	220	262	356	424	499	579	644	715	790	854	924

100,000											
100,001 or greater	220	301	356	424	499	579	644	715	791	855	924