

Table VII-12a. Technology Usage for Disinfecting CWS Ground Water Plants - Percent Change From Stage 1 to Stage 2 Compliance

System Size (Population Served)	CLM Only		UV CL2		UV CLM		Ozone CL2		Ozone CLM		GAC20 CL2		GAC20 CLM		embranes CL2		Membranes CLM		Total Converting to CLM		Total Adding Technology	
	A		B		C		D		E		F		G		H		I		J = A+C+E+G+I		K = SUM(A-I)	
≤100	1.0%	80	0.0%	0	1.3%	98	0.0%	0	0.0%	0	0.4%	33	0.0%	0	0.0%	0	0.0%	0	2.3%	178	2.7%	211
101-500	1.3%	210	0.0%	0	1.4%	225	0.0%	0	0.0%	0	0.2%	25	0.0%	0	0.0%	0	0.0%	0	2.8%	436	2.9%	461
501-1,000		82		0		88		0		0		10		0		0		0		170		180
1,001 - 3,300	1.0%	79	0.0%	0	1.3%	102	0.0%	0	0.0%	0	0.0%	0	0.0%	3	0.0%	0	0.0%	0	2.3%	184	2.3%	184
3,301-10,000		50		0		64		0		0		0		2		0		0		116		116
10,001-50,000	1.4%	76					0.1%	3	0.2%	12	0.0%	0	0.2%	8	0.0%	2	0.2%	11	2.0%	108	2.1%	112
50,001-100,000		10						0		2		0		1		0		2		15		15
100,001-1 Million	1.3%	11					0.1%	0	0.2%	2	0.0%	0	0.1%	1	0.0%	0	0.2%	2	1.9%	16	1.9%	17
> 1 Million		0						0		0		0		0		0		0		0		0
Total %, Plants	1.21%	599	0.00%	0	1.17%	578	0.01%	4	0.03%	15	0.14%	68	0.03%	16	0.00%	2	0.03%	15	2.5%	1,223	2.6%	1,296

Note: Detail may not add due to independent rounding (some plant results are rounded to zero if less than 0.5 plants).

Source : Economic Analysis (USEPA 2003i) Exhibit 6.16a

Table VII-12b. Technology Usage for Disinfecting NTNCWS Ground Water Plants - Percent Change from Stage 1 to Stage 2 Compliance

System Size (Population Served)	CLM Only		UV CL2		UV CLM		Ozone CL2		Ozone CLM		GAC20 CL2		GAC20 CLM		embranes CL2		Membranes CLM		Total Converting to CLM		Total Adding Technology	
	A		B		C		D		E		F		G		H		I		J = A+C+E+G+I		K = SUM(A-I)	
≤100	1.0%	38	0.0%	0	1.3%	46	0.0%	0	0.0%	0	0.4%	15	0.0%	0	0.0%	0	0.0%	0	2.3%	84	2.7%	99
101-500	1.3%	35	0.0%	0	1.4%	38	0.0%	0	0.0%	0	0.2%	4	0.0%	0	0.0%	0	0.0%	0	2.8%	73	2.9%	77
501-1,000		10		0		10		0		0		1		0		0		0		20		21
1,001 - 3,300	1.0%	3	0.0%	0	1.3%	3	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	2.3%	6	2.3%	6
3,301-10,000		0		0		0		0		0		0		0		0		0		1		1
10,001-50,000	1.4%	0					0.1%	0	0.2%	0	0.0%	0	0.2%	0	0.0%	0	0.2%	0	2.0%	0	2.1%	0
50,001-100,000		0						0		0		0		0		0		0		0		0
100,001-1 Million	1.3%	0					0.1%	0	0.2%	0	0.0%	0	0.1%	0	0.0%	0	0.2%	0	1.9%	0	1.9%	0
> 1 Million		0						0		0		0		0		0		0		0		0
Total %, Plants	1.17%	85	0.00%	0	1.34%	98	0.00%	0	0.00%	0	0.28%	21	0.00%	0	0.00%	0	0.00%	0	2.5%	183	2.8%	204

Note: Detail may not add due to independent rounding (some plant results are rounded to zero if less than 0.5 plants).

Source : Economic Analysis (USEPA 2003i) Exhibit 6.16b

F. Estimated Household Costs of the Proposed Rule

This analysis considers the potential increase in a household's water bill if a system passed the entire cost increase resulting from this rule on to their customers. It is a tool to gauge potential impacts and should not be construed as precise estimates of potential changes to individual water bills.

Overall, the potential increase in mean annual water bill per household is

estimated to be \$8.38 for those systems that need to install technology to comply with this rule. Table VII-13 shows the range of household costs for all surface and ground water systems subject to the rule and also only for those systems installing technology to comply with this rule. For all systems, including those that may not have to take any additional action to comply with this rule but are still subject to its provisions, the mean annual household

cost is \$0.51. The last two columns of Table VII-13 show the potential impact as the percent of households that will incur either less than a \$1 or less than a \$10 increase in their monthly water bills (shown in the table as annual values). For systems adding treatment, 84% of households will face less than a \$1 increase in their monthly bill, while 99% are expected to face less than a \$10 increase.