Appendix D

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Exhibit D.1 PWS Compliance Forecast for Level 1 Corrective Actions (AIP)

PWS Size (Population Served)	Labor Cost (per hour)	PWS Flushing		Sampler Training	Replace/Repair of Distribution System Components						Maintenance of Adequate Pressure		
		Routine Flushing	Spot Flushing	Operator Training/Certification	Replace Valve	Installing a Dedicated Sampling Tap	Replace Iron Pipe	Replace Fittings	Replace Hydrant	Replace Meter	New Booster Pump Station	Modify/Replace Existing Pumps	Install Variable Frequency Drives
	A	B	C	D	E	F	G	H	I	J	K	L	M
	Community Water Systems (CWSs) - SW												
≤500	$ 25.75	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	$ 28.96	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	$ 29.73	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	$ 36.00	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Community Water Systems (CWSs) - GW												
≤500	$ 25.75	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	$ 28.96	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	$ 29.73	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	$ 36.00	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	$ 25.75	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	$ 28.96	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	$ 29.73	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	$ 36.00	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	$ 25.75	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	$ 28.96	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	$ 29.73	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	$ 36.00	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	$ 25.75	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	$ 28.96	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	$ 29.73	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	$ 36.00	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	$ 25.75	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	$ 28.96	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	$ 29.73	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	$ 36.00	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Sources:

(A) Labor rates for PWSs from Exhibit 7.1.

(B) - (AM) Percent of PWSs performing corrective actions based on level 1 assessments reflect EPA estimate.

Exhibit D.1 PWS Compliance Forecast for Level 1 Corrective Actions (AIP) (Cont.)

PWS Size (Population Served)	Maintenance of Adequate Pressure			Maintenance of appropriate Hydraulic Residence Time							Storage Facility Maintenance		
	New Elevated Storage Tank	Install Surge Relief valve	Install Surge Control Tank	Install Auto Flushing Devices	Modify Inlet/Outlet Piping	Install Mixing Devices	Loop Dead Ends	Install Appropriate Main Sizes	Modify Storage Operation	Decommission Storage	Inspect & Clean Storage Tanks	Line Storage Tanks	Vent Repair/Replace Vent Screen
	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
	Community Water Systems (CWSs) - SW												
≤500	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
501-1,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
1,001-4,100	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
4,101-33,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Community Water Systems (CWSs) - GW												
≤500	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
501-1,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
1,001-4,100	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
4,101-33,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
501-1,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
1,001-4,100	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
4,101-33,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
501-1,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
1,001-4,100	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
4,101-33,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
501-1,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
1,001-4,100	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
4,101-33,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
501-1,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
1,001-4,100	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
4,101-33,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Exhibit D.1 PWS Compliance Forecast for Level 1 Corrective Actions (AIP) (Cont.)

PWS Size (Population Served)	Storage Facility Maintenance		Booster Disinfection				Cross-connection Control and Backflow Prevention Program	Addition or Upgrade of On-line Monitoring and Control			Addition of Security Measures	Development and Implementation of an Operations Plan	
	Repair/Replace Tank Hatch	Repair Storage Tank	Install Permanant Cl Booster Station	Install Temp Cl Booster Station	Install Permanant NH2Cl Booster Station	Install Temp NH2Cl Booster Station	Backflow Prevention Assembly	Online Cl Monitoring & Programming	Online NH2Cl Monitoring & Programming	Online Pressure Monitoring & Programming	Installation of Additional Security Measures	Develop/Implement/Maintain Operations Plan	Operator Training/Certification
	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
	Community Water Systems (CWSs) - SW												
≤500	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
501-1,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1,001-4,100	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
4,101-33,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Community Water Systems (CWSs) - GW												
≤500	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
501-1,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1,001-4,100	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
4,101-33,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
501-1,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1,001-4,100	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
4,101-33,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
501-1,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1,001-4,100	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
4,101-33,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
501-1,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1,001-4,100	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
4,101-33,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
501-1,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1,001-4,100	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
4,101-33,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Exhibit D.2 PWS Compliance Forecast for Level 1 Corrective Actions (Alternative Analysis)

PWS Size (Population Served)	Labor Cost (per hour)	PWS Flushing		Sampler Training	Replace/Repair of Distribution System Components						Maintenance of Adequate Pressure		
		Routine Flushing	Spot Flushing	Operator Training/Certification	Replace Valve	Installing a Dedicated Sampling Tap	Replace Iron Pipe	Replace Fittings	Replace Hydrant	Replace Meter	New Booster Pump Station	Modify/Replace Existing Pumps	Install Variable Frequency Drives
	A	B	C	D	E	F	G	H	I	J	K	L	M
	Community Water Systems (CWSs) - SW												
≤500	$ 25.75	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	$ 28.96	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	$ 29.73	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	$ 36.00	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Community Water Systems (CWSs) - GW												
≤500	$ 25.75	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	$ 28.96	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	$ 29.73	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	$ 36.00	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	$ 25.75	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	$ 28.96	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	$ 29.73	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	$ 36.00	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	$ 25.75	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	$ 28.96	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	$ 29.73	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	$ 36.00	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	$ 25.75	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	$ 28.96	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	$ 29.73	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	$ 36.00	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	$ 25.75	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	$ 28.96	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	$ 29.73	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	$ 36.00	30%	9%	15%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Sources:

(A) Labor rates for PWSs from Exhibit 7.1.

(B) - (AM) Percent of PWSs performing corrective actions based on level 1 assessments reflect EPA estimate.

Exhibit D.2 PWS Compliance Forecast for Level 1 Corrective Actions (Alternative Analysis) (Cont.)

PWS Size (Population Served)	Maintenance of Adequate Pressure			Maintenance of appropriate Hydraulic Residence Time							Storage Facility Maintenance		
	New Elevated Storage Tank	Install Surge Relief valve	Install Surge Control Tank	Install Auto Flushing Devices	Modify Inlet/Outlet Piping	Install Mixing Devices	Loop Dead Ends	Install Appropriate Main Sizes	Modify Storage Operation	Decommission Storage	Inspect & Clean Storage Tanks	Line Storage Tanks	Vent Repair/Replace Vent Screen
	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
	Community Water Systems (CWSs) - SW												
≤500	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
501-1,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
1,001-4,100	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
4,101-33,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Community Water Systems (CWSs) - GW												
≤500	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
501-1,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
1,001-4,100	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
4,101-33,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
501-1,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
1,001-4,100	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
4,101-33,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
501-1,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
1,001-4,100	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
4,101-33,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
501-1,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
1,001-4,100	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
4,101-33,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
501-1,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
1,001-4,100	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
4,101-33,000	0%	2%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Exhibit D.2 PWS Compliance Forecast for Level 1 Corrective Actions (Alternative Analysis) (Cont.)

PWS Size (Population Served)	Storage Facility Maintenance		Booster Disinfection				Cross-connection Control and Backflow Prevention Program	Addition or Upgrade of On-line Monitoring and Control			Addition of Security Measures	Development and Implementation of an Operations Plan	
	Repair/Replace Tank Hatch	Repair Storage Tank	Install Permanant Cl Booster Station	Install Temp Cl Booster Station	Install Permanant NH2Cl Booster Station	Install Temp NH2Cl Booster Station	Backflow Prevention Assembly	Online Cl Monitoring & Programming	Online NH2Cl Monitoring & Programming	Online Pressure Monitoring & Programming	Installation of Additional Security Measures	Develop/Implement/Maintain Operations Plan	Operator Training/Certification
	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
	Community Water Systems (CWSs) - SW												
≤500	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
501-1,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1,001-4,100	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
4,101-33,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Community Water Systems (CWSs) - GW												
≤500	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
501-1,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1,001-4,100	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
4,101-33,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
501-1,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1,001-4,100	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
4,101-33,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
501-1,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1,001-4,100	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
4,101-33,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
501-1,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1,001-4,100	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
4,101-33,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
501-1,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
1,001-4,100	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
4,101-33,000	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Exhibit D.3 PWS Compliance Forecast for Level 2 Corrective Actions (AIP)

PWS Size (Population Served)	Labor Cost (per hour)	PWS Flushing		Sampler Training	Replace/Repair of Distribution System Components						Maintenance of Adequate Pressure		
		Routine Flushing	Spot Flushing	Operator Training/Certification	Replace Valve	Installing a Dedicated Sampling Tap	Replace Iron Pipe	Replace Fittings	Replace Hydrant	Replace Meter	New Booster Pump Station	Modify/Replace Existing Pumps	Install Variable Frequency Drives
	A	B	C	D	E	F	G	H	I	J	K	L	M
	Community Water Systems (CWSs) - SW												
≤500	$ 25.75	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
501-1,000	$ 28.96	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
1,001-4,100	$ 29.73	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
4,101-33,000	$ 36.00	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Community Water Systems (CWSs) - GW												
≤500	$ 25.75	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
501-1,000	$ 28.96	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
1,001-4,100	$ 29.73	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
4,101-33,000	$ 36.00	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	$ 25.75	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
501-1,000	$ 28.96	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
1,001-4,100	$ 29.73	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
4,101-33,000	$ 36.00	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	$ 25.75	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
501-1,000	$ 28.96	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
1,001-4,100	$ 29.73	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
4,101-33,000	$ 36.00	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	$ 25.75	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
501-1,000	$ 28.96	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
1,001-4,100	$ 29.73	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
4,101-33,000	$ 36.00	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	$ 25.75	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
501-1,000	$ 28.96	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
1,001-4,100	$ 29.73	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
4,101-33,000	$ 36.00	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Sources:

(A) Labor rates for PWSs from Exhibit 7.1.

(B) - (AM) Percent of PWSs performing corrective actions based on level 2 assessments reflect EPA estimate.

Exhibit D.3 PWS Compliance Forecast for Level 2 Corrective Actions (AIP) (Cont.)

PWS Size (Population Served)	Maintenance of Adequate Pressure			Maintenance of appropriate Hydraulic Residence Time							Storage Facility Maintenance		
	New Elevated Storage Tank	Install Surge Relief valve	Install Surge Control Tank	Install Auto Flushing Devices	Modify Inlet/Outlet Piping	Install Mixing Devices	Loop Dead Ends	Install Appropriate Main Sizes	Modify Storage Operation	Decommission Storage	Inspect & Clean Storage Tanks	Line Storage Tanks	Vent Repair/Replace Vent Screen
	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
	Community Water Systems (CWSs) - SW												
≤500	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
501-1,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
1,001-4,100	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
4,101-33,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Community Water Systems (CWSs) - GW												
≤500	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
501-1,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
1,001-4,100	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
4,101-33,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
501-1,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
1,001-4,100	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
4,101-33,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
501-1,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
1,001-4,100	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
4,101-33,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
501-1,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
1,001-4,100	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
4,101-33,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
501-1,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
1,001-4,100	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
4,101-33,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Exhibit D.3 PWS Compliance Forecast for Level 2 Corrective Actions (AIP) (Cont.)

PWS Size (Population Served)	Storage Facility Maintenance		Booster Disinfection				Cross-connection Control and Backflow Prevention Program	Addition or Upgrade of On-line Monitoring and Control			Addition of Security Measures	Development and Implementation of an Operations Plan	
	Repair/Replace Tank Hatch	Repair Storage Tank	Install Permanant Cl Booster Station	Install Temp Cl Booster Station	Install Permanant NH2Cl Booster Station	Install Temp NH2Cl Booster Station	Backflow Prevention Assembly	Online Cl Monitoring & Programming	Online NH2Cl Monitoring & Programming	Online Pressure Monitoring & Programming	Installation of Additional Security Measures	Develop/Implement/Maintain Operations Plan	Operator Training/Certification
	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
	Community Water Systems (CWSs) - SW												
≤500	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Community Water Systems (CWSs) - GW												
≤500	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Exhibit D.4 PWS Compliance Forecast for Level 2 Corrective Actions (Alternative Analysis)

PWS Size (Population Served)	Labor Cost (per hour)	PWS Flushing		Sampler Training	Replace/Repair of Distribution System Components						Maintenance of Adequate Pressure		
		Routine Flushing	Spot Flushing	Operator Training/Certification	Replace Valve	Installing a Dedicated Sampling Tap	Replace Iron Pipe	Replace Fittings	Replace Hydrant	Replace Meter	New Booster Pump Station	Modify/Replace Existing Pumps	Install Variable Frequency Drives
	A	B	C	D	E	F	G	H	I	J	K	L	M
	Community Water Systems (CWSs) - SW												
≤500	$ 25.75	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
501-1,000	$ 28.96	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
1,001-4,100	$ 29.73	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
4,101-33,000	$ 36.00	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Community Water Systems (CWSs) - GW												
≤500	$ 25.75	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
501-1,000	$ 28.96	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
1,001-4,100	$ 29.73	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
4,101-33,000	$ 36.00	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	$ 25.75	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
501-1,000	$ 28.96	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
1,001-4,100	$ 29.73	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
4,101-33,000	$ 36.00	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	$ 25.75	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
501-1,000	$ 28.96	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
1,001-4,100	$ 29.73	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
4,101-33,000	$ 36.00	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	$ 25.75	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
501-1,000	$ 28.96	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
1,001-4,100	$ 29.73	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
4,101-33,000	$ 36.00	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	$ 25.75	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
501-1,000	$ 28.96	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
1,001-4,100	$ 29.73	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
4,101-33,000	$ 36.00	10%	5%	4%	3%	3%	3%	3%	3%	3%	3%	3%	3%
33,001-96,000	$ 36.39	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	$ 41.01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Sources:

(A) Labor rates for PWSs from Exhibit 7.1.

(B) - (AM) Percent of PWSs performing corrective actions based on level 2 assessments reflect EPA estimate.

Exhibit D.4 PWS Compliance Forecast for Level 2 Corrective Actions (Alternative Analysis) (Cont.)

PWS Size (Population Served)	Maintenance of Adequate Pressure			Maintenance of appropriate Hydraulic Residence Time							Storage Facility Maintenance		
	New Elevated Storage Tank	Install Surge Relief valve	Install Surge Control Tank	Install Auto Flushing Devices	Modify Inlet/Outlet Piping	Install Mixing Devices	Loop Dead Ends	Install Appropriate Main Sizes	Modify Storage Operation	Decommission Storage	Inspect & Clean Storage Tanks	Line Storage Tanks	Vent Repair/Replace Vent Screen
	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
	Community Water Systems (CWSs) - SW												
≤500	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
501-1,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
1,001-4,100	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
4,101-33,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Community Water Systems (CWSs) - GW												
≤500	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
501-1,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
1,001-4,100	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
4,101-33,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
501-1,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
1,001-4,100	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
4,101-33,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
501-1,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
1,001-4,100	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
4,101-33,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
501-1,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
1,001-4,100	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
4,101-33,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
501-1,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
1,001-4,100	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
4,101-33,000	0%	3%	3%	3%	2%	2%	2%	2%	2%	2%	3%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Exhibit D.4 PWS Compliance Forecast for Level 2 Corrective Actions (Alternative Analysis) (Cont.)

PWS Size (Population Served)	Storage Facility Maintenance		Booster Disinfection				Cross-connection Control and Backflow Prevention Program	Addition or Upgrade of On-line Monitoring and Control			Addition of Security Measures	Development and Implementation of an Operations Plan	
	Repair/Replace Tank Hatch	Repair Storage Tank	Install Permanant Cl Booster Station	Install Temp Cl Booster Station	Install Permanant NH2Cl Booster Station	Install Temp NH2Cl Booster Station	Backflow Prevention Assembly	Online Cl Monitoring & Programming	Online NH2Cl Monitoring & Programming	Online Pressure Monitoring & Programming	Installation of Additional Security Measures	Develop/Implement/Maintain Operations Plan	Operator Training/Certification
	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
	Community Water Systems (CWSs) - SW												
≤500	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Community Water Systems (CWSs) - GW												
≤500	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
501-1,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
1,001-4,100	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
4,101-33,000	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
33,001-96,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
96,001-500,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Exhibit D.5 Capital Unit Cost Estimates for Level 1 or Level 2 Corrective Actions

PWS Size (Population Served)	Labor Cost (per hour)	Scheduled/Routine Flushing		Sampler Training	Replace/Repair of Distribution System Components						Maintenance of Adequate Pressure		
		Routine Flushing	Spot Flushing	Operator Training/Certification	Replace Valve	Installing a Dedicated Sampling Tap	Replace Iron Pipe	Replace Fittings	Replace Hydrant	Replace Meter	New Booster Pump Station	Modify/Replace Existing Pumps	Install Variable Frequency Drives
	A	B	C	D	E	F	G	H	I	J	K	L	M
	Community Water Systems (CWSs) - SW												
≤500	$ 25.75	$ -	$ -	$ -	$ 1,010.00	$ 1,020.00	$ 790.00	$ 990.00	$ 1,645.00	$ 750.00	$ 12,560.00	$ 1,890.00	$ 1,410.00
501-1,000	$ 28.96	$ -	$ -	$ -	$ 1,090.00	$ 1,070.00	$ 860.00	$ 1,070.00	$ 1,700.00	$ 800.00	$ 19,030.00	$ 2,060.00	$ 4,220.00
1,001-4,100	$ 29.73	$ -	$ -	$ -	$ 1,290.00	$ 1,080.00	$ 910.00	$ 1,200.00	$ 1,710.00	$ 810.00	$ 20,240.00	$ 2,060.00	$ 4,780.00
4,101-33,000	$ 36.00	$ -	$ -	$ -	$ 1,440.00	$ 1,180.00	$ 1,060.00	$ 1,350.00	$ 1,810.00	$ 910.00	$ 114,540.00	$ 14,620.00	$ 34,720.00
33,001-96,000	$ 36.39	$ -	$ -	$ -	$ 1,450.00	$ 1,190.00	$ 1,070.00	$ 1,360.00	$ 1,820.00	$ 920.00	$ 338,830.00	$ 25,350.00	$ 60,350.00
96,001-500,000	$ 41.01	$ -	$ -	$ -	$ 1,780.00	$ 1,260.00	$ 1,250.00	$ 1,680.00	$ 1,890.00	$ 990.00	$ 463,620.00	$ 35,160.00	$ 84,200.00
500,001-1 Million	$ 41.01	$ -	$ -	$ -	$ 1,780.00	$ 1,260.00	$ 1,250.00	$ 1,680.00	$ 1,890.00	$ 990.00	$ 1,160,350.00	$ 88,340.00	$ 210,500.00
> 1 Million	$ 41.01	$ -	$ -	$ -	$ 1,780.00	$ 1,260.00	$ 1,250.00	$ 1,680.00	$ 1,890.00	$ 990.00	$ 2,320,600.00	$ 176,650.00	$ 420,980.00
	Community Water Systems (CWSs) - GW												
≤500	$ 25.75	$ -	$ -	$ -	$ 1,010.00	$ 1,020.00	$ 790.00	$ 990.00	$ 1,645.00	$ 750.00	$ 12,560.00	$ 1,890.00	$ 1,410.00
501-1,000	$ 28.96	$ -	$ -	$ -	$ 1,090.00	$ 1,070.00	$ 860.00	$ 1,070.00	$ 1,700.00	$ 800.00	$ 19,030.00	$ 2,060.00	$ 4,220.00
1,001-4,100	$ 29.73	$ -	$ -	$ -	$ 1,290.00	$ 1,080.00	$ 910.00	$ 1,200.00	$ 1,710.00	$ 810.00	$ 20,240.00	$ 2,060.00	$ 4,780.00
4,101-33,000	$ 36.00	$ -	$ -	$ -	$ 1,440.00	$ 1,180.00	$ 1,060.00	$ 1,350.00	$ 1,810.00	$ 910.00	$ 114,540.00	$ 14,620.00	$ 34,720.00
33,001-96,000	$ 36.39	$ -	$ -	$ -	$ 1,450.00	$ 1,190.00	$ 1,070.00	$ 1,360.00	$ 1,820.00	$ 920.00	$ 338,830.00	$ 25,350.00	$ 60,350.00
96,001-500,000	$ 41.01	$ -	$ -	$ -	$ 1,780.00	$ 1,260.00	$ 1,250.00	$ 1,680.00	$ 1,890.00	$ 990.00	$ 463,620.00	$ 35,160.00	$ 84,200.00
500,001-1 Million	$ 41.01	$ -	$ -	$ -	$ 1,780.00	$ 1,260.00	$ 1,250.00	$ 1,680.00	$ 1,890.00	$ 990.00	$ 1,160,350.00	$ 88,340.00	$ 210,500.00
> 1 Million	$ 41.01	$ -	$ -	$ -	$ 1,780.00	$ 1,260.00	$ 1,250.00	$ 1,680.00	$ 1,890.00	$ 990.00	$ 2,320,600.00	$ 176,650.00	$ 420,980.00
	Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	$ 25.75	$ -	$ -	$ -	$ 1,010.00	$ 1,020.00	$ 790.00	$ 990.00	$ 1,645.00	$ 750.00	$ 12,560.00	$ 1,890.00	$ 1,410.00
501-1,000	$ 28.96	$ -	$ -	$ -	$ 1,090.00	$ 1,070.00	$ 860.00	$ 1,070.00	$ 1,700.00	$ 800.00	$ 19,030.00	$ 2,060.00	$ 4,220.00
1,001-4,100	$ 29.73	$ -	$ -	$ -	$ 1,290.00	$ 1,080.00	$ 910.00	$ 1,200.00	$ 1,710.00	$ 810.00	$ 20,240.00	$ 2,060.00	$ 4,780.00
4,101-33,000	$ 36.00	$ -	$ -	$ -	$ 1,440.00	$ 1,180.00	$ 1,060.00	$ 1,350.00	$ 1,810.00	$ 910.00	$ 114,540.00	$ 14,620.00	$ 34,720.00
33,001-96,000	$ 36.39	$ -	$ -	$ -	$ 1,450.00	$ 1,190.00	$ 1,070.00	$ 1,360.00	$ 1,820.00	$ 920.00	$ 338,830.00	$ 25,350.00	$ 60,350.00
96,001-500,000	$ 41.01	$ -	$ -	$ -	$ 1,780.00	$ 1,260.00	$ 1,250.00	$ 1,680.00	$ 1,890.00	$ 990.00	$ 463,620.00	$ 35,160.00	$ 84,200.00
500,001-1 Million	$ 41.01	$ -	$ -	$ -	$ 1,780.00	$ 1,260.00	$ 1,250.00	$ 1,680.00	$ 1,890.00	$ 990.00	$ 1,160,350.00	$ 88,340.00	$ 210,500.00
> 1 Million	$ 41.01	$ -	$ -	$ -	$ 1,780.00	$ 1,260.00	$ 1,250.00	$ 1,680.00	$ 1,890.00	$ 990.00	$ 2,320,600.00	$ 176,650.00	$ 420,980.00
	Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	$ 25.75	$ -	$ -	$ -	$ 1,010.00	$ 1,020.00	$ 790.00	$ 990.00	$ 1,645.00	$ 750.00	$ 12,560.00	$ 1,890.00	$ 1,410.00
501-1,000	$ 28.96	$ -	$ -	$ -	$ 1,090.00	$ 1,070.00	$ 860.00	$ 1,070.00	$ 1,700.00	$ 800.00	$ 19,030.00	$ 2,060.00	$ 4,220.00
1,001-4,100	$ 29.73	$ -	$ -	$ -	$ 1,290.00	$ 1,080.00	$ 910.00	$ 1,200.00	$ 1,710.00	$ 810.00	$ 20,240.00	$ 2,060.00	$ 4,780.00
4,101-33,000	$ 36.00	$ -	$ -	$ -	$ 1,440.00	$ 1,180.00	$ 1,060.00	$ 1,350.00	$ 1,810.00	$ 910.00	$ 114,540.00	$ 14,620.00	$ 34,720.00
33,001-96,000	$ 36.39	$ -	$ -	$ -	$ 1,450.00	$ 1,190.00	$ 1,070.00	$ 1,360.00	$ 1,820.00	$ 920.00	$ 338,830.00	$ 25,350.00	$ 60,350.00
96,001-500,000	$ 41.01	$ -	$ -	$ -	$ 1,780.00	$ 1,260.00	$ 1,250.00	$ 1,680.00	$ 1,890.00	$ 990.00	$ 463,620.00	$ 35,160.00	$ 84,200.00
500,001-1 Million	$ 41.01	$ -	$ -	$ -	$ 1,780.00	$ 1,260.00	$ 1,250.00	$ 1,680.00	$ 1,890.00	$ 990.00	$ 1,160,350.00	$ 88,340.00	$ 210,500.00
> 1 Million	$ 41.01	$ -	$ -	$ -	$ 1,780.00	$ 1,260.00	$ 1,250.00	$ 1,680.00	$ 1,890.00	$ 990.00	$ 2,320,600.00	$ 176,650.00	$ 420,980.00
	Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	$ 25.75	$ -	$ -	$ -	$ 1,010.00	$ 1,020.00	$ 790.00	$ 990.00	$ 1,645.00	$ 750.00	$ 12,560.00	$ 1,890.00	$ 1,410.00
501-1,000	$ 28.96	$ -	$ -	$ -	$ 1,090.00	$ 1,070.00	$ 860.00	$ 1,070.00	$ 1,700.00	$ 800.00	$ 19,030.00	$ 2,060.00	$ 4,220.00
1,001-4,100	$ 29.73	$ -	$ -	$ -	$ 1,290.00	$ 1,080.00	$ 910.00	$ 1,200.00	$ 1,710.00	$ 810.00	$ 20,240.00	$ 2,060.00	$ 4,780.00
4,101-33,000	$ 36.00	$ -	$ -	$ -	$ 1,440.00	$ 1,180.00	$ 1,060.00	$ 1,350.00	$ 1,810.00	$ 910.00	$ 114,540.00	$ 14,620.00	$ 34,720.00
33,001-96,000	$ 36.39	$ -	$ -	$ -	$ 1,450.00	$ 1,190.00	$ 1,070.00	$ 1,360.00	$ 1,820.00	$ 920.00	$ 338,830.00	$ 25,350.00	$ 60,350.00
96,001-500,000	$ 41.01	$ -	$ -	$ -	$ 1,780.00	$ 1,260.00	$ 1,250.00	$ 1,680.00	$ 1,890.00	$ 990.00	$ 463,620.00	$ 35,160.00	$ 84,200.00
500,001-1 Million	$ 41.01	$ -	$ -	$ -	$ 1,780.00	$ 1,260.00	$ 1,250.00	$ 1,680.00	$ 1,890.00	$ 990.00	$ 1,160,350.00	$ 88,340.00	$ 210,500.00
> 1 Million	$ 41.01	$ -	$ -	$ -	$ 1,780.00	$ 1,260.00	$ 1,250.00	$ 1,680.00	$ 1,890.00	$ 990.00	$ 2,320,600.00	$ 176,650.00	$ 420,980.00
	Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	$ 25.75	$ -	$ -	$ -	$ 1,010.00	$ 1,020.00	$ 790.00	$ 990.00	$ 1,645.00	$ 750.00	$ 12,560.00	$ 1,890.00	$ 1,410.00
501-1,000	$ 28.96	$ -	$ -	$ -	$ 1,090.00	$ 1,070.00	$ 860.00	$ 1,070.00	$ 1,700.00	$ 800.00	$ 19,030.00	$ 2,060.00	$ 4,220.00
1,001-4,100	$ 29.73	$ -	$ -	$ -	$ 1,290.00	$ 1,080.00	$ 910.00	$ 1,200.00	$ 1,710.00	$ 810.00	$ 20,240.00	$ 2,060.00	$ 4,780.00
4,101-33,000	$ 36.00	$ -	$ -	$ -	$ 1,440.00	$ 1,180.00	$ 1,060.00	$ 1,350.00	$ 1,810.00	$ 910.00	$ 114,540.00	$ 14,620.00	$ 34,720.00
33,001-96,000	$ 36.39	$ -	$ -	$ -	$ 1,450.00	$ 1,190.00	$ 1,070.00	$ 1,360.00	$ 1,820.00	$ 920.00	$ 338,830.00	$ 25,350.00	$ 60,350.00
96,001-500,000	$ 41.01	$ -	$ -	$ -	$ 1,780.00	$ 1,260.00	$ 1,250.00	$ 1,680.00	$ 1,890.00	$ 990.00	$ 463,620.00	$ 35,160.00	$ 84,200.00
500,001-1 Million	$ 41.01	$ -	$ -	$ -	$ 1,780.00	$ 1,260.00	$ 1,250.00	$ 1,680.00	$ 1,890.00	$ 990.00	$ 1,160,350.00	$ 88,340.00	$ 210,500.00
> 1 Million	$ 41.01	$ -	$ -	$ -	$ 1,780.00	$ 1,260.00	$ 1,250.00	$ 1,680.00	$ 1,890.00	$ 990.00	$ 2,320,600.00	$ 176,650.00	$ 420,980.00

Sources:

(A) Labor rates for PWSs from Exhibit 7.1.

(B) - (AM) Capital Unit Costs for Corrective Actions from Proposed RTCR T/C Document.

Exhibit D.5 Capital Unit Cost Estimates for Level 1 or Level 2 Corrective Actions (Cont.)

PWS Size (Population Served)	Maintenance of Adequate Pressure			Maintenance of appropriate Hydraulic Residence Time							Storage Facility Maintenance		
	New Elevated Storage Tank	Install Surge Relief valve	Install Surge Control Tank	Install Auto Flushing Devices	Modify Inlet/Outlet Piping	Install Mixing Devices	Loop Dead Ends	Install Appropriate Main Sizes	Modify Storage Operation	Decommission Storage	Inspect & Clean Storage Tanks	Line Storage Tanks	Repair/Replace Storage Tank Vent
	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
	Community Water Systems (CWSs) - SW												
≤500	$ 370,380.00	$ 4,950.00	$ 15,430.00	$ 3,610.00	$ 10,270.00	$ 12,690.00	$ 790.00	$ 790.00	$ -	$ -	$ -	$ 28,380.00	$ 160.00
501-1,000	$ 510,550.00	$ 4,950.00	$ 20,980.00	$ 3,660.00	$ 14,150.00	$ 18,990.00	$ 860.00	$ 860.00	$ -	$ -	$ -	$ 35,530.00	$ 170.00
1,001-4,100	$ 704,060.00	$ 7,250.00	$ 29,160.00	$ 3,670.00	$ 19,500.00	$ 31,590.00	$ 910.00	$ 910.00	$ -	$ -	$ -	$ 63,770.00	$ 170.00
4,101-33,000	$ 1,136,180.00	$ 19,000.00	$ 67,210.00	$ 3,770.00	$ 31,460.00	$ 55,640.00	$ 1,060.00	$ 1,060.00	$ -	$ -	$ -	$ 88,830.00	$ 200.00
33,001-96,000	$ 1,574,950.00	$ 28,900.00	$ 79,760.00	$ 3,780.00	$ 43,620.00	$ 91,990.00	$ 1,070.00	$ 1,070.00	$ -	$ -	$ -	$ 150,320.00	$ 200.00
96,001-500,000	$ 1,574,950.00	$ 51,240.00	$ 90,830.00	$ 3,850.00	$ 43,620.00	$ 91,990.00	$ 1,250.00	$ 1,250.00	$ -	$ -	$ -	$ 150,320.00	$ 220.00
500,001-1 Million	$ 3,149,920.00	$ 62,520.00	$ -	$ 3,850.00	$ 87,230.00	$ 183,960.00	$ 1,250.00	$ 1,250.00	$ -	$ -	$ -	$ 200,420.00	$ 220.00
> 1 Million	$ 3,149,920.00	$ 62,520.00	$ -	$ 3,850.00	$ 87,230.00	$ 183,960.00	$ 1,250.00	$ 1,250.00	$ -	$ -	$ -	$ 200,420.00	$ 220.00
	Community Water Systems (CWSs) - GW												
≤500	$ 370,380.00	$ 4,950.00	$ 15,430.00	$ 3,610.00	$ 10,270.00	$ 12,690.00	$ 790.00	$ 790.00	$ -	$ -	$ -	$ 28,380.00	$ 160.00
501-1,000	$ 510,550.00	$ 4,950.00	$ 20,980.00	$ 3,660.00	$ 14,150.00	$ 18,990.00	$ 860.00	$ 860.00	$ -	$ -	$ -	$ 35,530.00	$ 170.00
1,001-4,100	$ 704,060.00	$ 7,250.00	$ 29,160.00	$ 3,670.00	$ 19,500.00	$ 31,590.00	$ 910.00	$ 910.00	$ -	$ -	$ -	$ 63,770.00	$ 170.00
4,101-33,000	$ 1,136,180.00	$ 19,000.00	$ 67,210.00	$ 3,770.00	$ 31,460.00	$ 55,640.00	$ 1,060.00	$ 1,060.00	$ -	$ -	$ -	$ 88,830.00	$ 200.00
33,001-96,000	$ 1,574,950.00	$ 28,900.00	$ 79,760.00	$ 3,780.00	$ 43,620.00	$ 91,990.00	$ 1,070.00	$ 1,070.00	$ -	$ -	$ -	$ 150,320.00	$ 200.00
96,001-500,000	$ 1,574,950.00	$ 51,240.00	$ 90,830.00	$ 3,850.00	$ 43,620.00	$ 91,990.00	$ 1,250.00	$ 1,250.00	$ -	$ -	$ -	$ 150,320.00	$ 220.00
500,001-1 Million	$ 3,149,920.00	$ 62,520.00	$ -	$ 3,850.00	$ 87,230.00	$ 183,960.00	$ 1,250.00	$ 1,250.00	$ -	$ -	$ -	$ 200,420.00	$ 220.00
> 1 Million	$ 3,149,920.00	$ 62,520.00	$ -	$ 3,850.00	$ 87,230.00	$ 183,960.00	$ 1,250.00	$ 1,250.00	$ -	$ -	$ -	$ 200,420.00	$ 220.00
	Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	$ 370,380.00	$ 4,950.00	$ 15,430.00	$ 3,610.00	$ 10,270.00	$ 12,690.00	$ 790.00	$ 790.00	$ -	$ -	$ -	$ 28,380.00	$ 160.00
501-1,000	$ 510,550.00	$ 4,950.00	$ 20,980.00	$ 3,660.00	$ 14,150.00	$ 18,990.00	$ 860.00	$ 860.00	$ -	$ -	$ -	$ 35,530.00	$ 170.00
1,001-4,100	$ 704,060.00	$ 7,250.00	$ 29,160.00	$ 3,670.00	$ 19,500.00	$ 31,590.00	$ 910.00	$ 910.00	$ -	$ -	$ -	$ 63,770.00	$ 170.00
4,101-33,000	$ 1,136,180.00	$ 19,000.00	$ 67,210.00	$ 3,770.00	$ 31,460.00	$ 55,640.00	$ 1,060.00	$ 1,060.00	$ -	$ -	$ -	$ 88,830.00	$ 200.00
33,001-96,000	$ 1,574,950.00	$ 28,900.00	$ 79,760.00	$ 3,780.00	$ 43,620.00	$ 91,990.00	$ 1,070.00	$ 1,070.00	$ -	$ -	$ -	$ 150,320.00	$ 200.00
96,001-500,000	$ 1,574,950.00	$ 51,240.00	$ 90,830.00	$ 3,850.00	$ 43,620.00	$ 91,990.00	$ 1,250.00	$ 1,250.00	$ -	$ -	$ -	$ 150,320.00	$ 220.00
500,001-1 Million	$ 3,149,920.00	$ 62,520.00	$ -	$ 3,850.00	$ 87,230.00	$ 183,960.00	$ 1,250.00	$ 1,250.00	$ -	$ -	$ -	$ 200,420.00	$ 220.00
> 1 Million	$ 3,149,920.00	$ 62,520.00	$ -	$ 3,850.00	$ 87,230.00	$ 183,960.00	$ 1,250.00	$ 1,250.00	$ -	$ -	$ -	$ 200,420.00	$ 220.00
	Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	$ 370,380.00	$ 4,950.00	$ 15,430.00	$ 3,610.00	$ 10,270.00	$ 12,690.00	$ 790.00	$ 790.00	$ -	$ -	$ -	$ 28,380.00	$ 160.00
501-1,000	$ 510,550.00	$ 4,950.00	$ 20,980.00	$ 3,660.00	$ 14,150.00	$ 18,990.00	$ 860.00	$ 860.00	$ -	$ -	$ -	$ 35,530.00	$ 170.00
1,001-4,100	$ 704,060.00	$ 7,250.00	$ 29,160.00	$ 3,670.00	$ 19,500.00	$ 31,590.00	$ 910.00	$ 910.00	$ -	$ -	$ -	$ 63,770.00	$ 170.00
4,101-33,000	$ 1,136,180.00	$ 19,000.00	$ 67,210.00	$ 3,770.00	$ 31,460.00	$ 55,640.00	$ 1,060.00	$ 1,060.00	$ -	$ -	$ -	$ 88,830.00	$ 200.00
33,001-96,000	$ 1,574,950.00	$ 28,900.00	$ 79,760.00	$ 3,780.00	$ 43,620.00	$ 91,990.00	$ 1,070.00	$ 1,070.00	$ -	$ -	$ -	$ 150,320.00	$ 200.00
96,001-500,000	$ 1,574,950.00	$ 51,240.00	$ 90,830.00	$ 3,850.00	$ 43,620.00	$ 91,990.00	$ 1,250.00	$ 1,250.00	$ -	$ -	$ -	$ 150,320.00	$ 220.00
500,001-1 Million	$ 3,149,920.00	$ 62,520.00	$ -	$ 3,850.00	$ 87,230.00	$ 183,960.00	$ 1,250.00	$ 1,250.00	$ -	$ -	$ -	$ 200,420.00	$ 220.00
> 1 Million	$ 3,149,920.00	$ 62,520.00	$ -	$ 3,850.00	$ 87,230.00	$ 183,960.00	$ 1,250.00	$ 1,250.00	$ -	$ -	$ -	$ 200,420.00	$ 220.00
	Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	$ 370,380.00	$ 4,950.00	$ 15,430.00	$ 3,610.00	$ 10,270.00	$ 12,690.00	$ 790.00	$ 790.00	$ -	$ -	$ -	$ 28,380.00	$ 160.00
501-1,000	$ 510,550.00	$ 4,950.00	$ 20,980.00	$ 3,660.00	$ 14,150.00	$ 18,990.00	$ 860.00	$ 860.00	$ -	$ -	$ -	$ 35,530.00	$ 170.00
1,001-4,100	$ 704,060.00	$ 7,250.00	$ 29,160.00	$ 3,670.00	$ 19,500.00	$ 31,590.00	$ 910.00	$ 910.00	$ -	$ -	$ -	$ 63,770.00	$ 170.00
4,101-33,000	$ 1,136,180.00	$ 19,000.00	$ 67,210.00	$ 3,770.00	$ 31,460.00	$ 55,640.00	$ 1,060.00	$ 1,060.00	$ -	$ -	$ -	$ 88,830.00	$ 200.00
33,001-96,000	$ 1,574,950.00	$ 28,900.00	$ 79,760.00	$ 3,780.00	$ 43,620.00	$ 91,990.00	$ 1,070.00	$ 1,070.00	$ -	$ -	$ -	$ 150,320.00	$ 200.00
96,001-500,000	$ 1,574,950.00	$ 51,240.00	$ 90,830.00	$ 3,850.00	$ 43,620.00	$ 91,990.00	$ 1,250.00	$ 1,250.00	$ -	$ -	$ -	$ 150,320.00	$ 220.00
500,001-1 Million	$ 3,149,920.00	$ 62,520.00	$ -	$ 3,850.00	$ 87,230.00	$ 183,960.00	$ 1,250.00	$ 1,250.00	$ -	$ -	$ -	$ 200,420.00	$ 220.00
> 1 Million	$ 3,149,920.00	$ 62,520.00	$ -	$ 3,850.00	$ 87,230.00	$ 183,960.00	$ 1,250.00	$ 1,250.00	$ -	$ -	$ -	$ 200,420.00	$ 220.00
	Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	$ 370,380.00	$ 4,950.00	$ 15,430.00	$ 3,610.00	$ 10,270.00	$ 12,690.00	$ 790.00	$ 790.00	$ -	$ -	$ -	$ 28,380.00	$ 160.00
501-1,000	$ 510,550.00	$ 4,950.00	$ 20,980.00	$ 3,660.00	$ 14,150.00	$ 18,990.00	$ 860.00	$ 860.00	$ -	$ -	$ -	$ 35,530.00	$ 170.00
1,001-4,100	$ 704,060.00	$ 7,250.00	$ 29,160.00	$ 3,670.00	$ 19,500.00	$ 31,590.00	$ 910.00	$ 910.00	$ -	$ -	$ -	$ 63,770.00	$ 170.00
4,101-33,000	$ 1,136,180.00	$ 19,000.00	$ 67,210.00	$ 3,770.00	$ 31,460.00	$ 55,640.00	$ 1,060.00	$ 1,060.00	$ -	$ -	$ -	$ 88,830.00	$ 200.00
33,001-96,000	$ 1,574,950.00	$ 28,900.00	$ 79,760.00	$ 3,780.00	$ 43,620.00	$ 91,990.00	$ 1,070.00	$ 1,070.00	$ -	$ -	$ -	$ 150,320.00	$ 200.00
96,001-500,000	$ 1,574,950.00	$ 51,240.00	$ 90,830.00	$ 3,850.00	$ 43,620.00	$ 91,990.00	$ 1,250.00	$ 1,250.00	$ -	$ -	$ -	$ 150,320.00	$ 220.00
500,001-1 Million	$ 3,149,920.00	$ 62,520.00	$ -	$ 3,850.00	$ 87,230.00	$ 183,960.00	$ 1,250.00	$ 1,250.00	$ -	$ -	$ -	$ 200,420.00	$ 220.00
> 1 Million	$ 3,149,920.00	$ 62,520.00	$ -	$ 3,850.00	$ 87,230.00	$ 183,960.00	$ 1,250.00	$ 1,250.00	$ -	$ -	$ -	$ 200,420.00	$ 220.00

Exhibit D.5 Capital Unit Cost Estimates for Level 1 or Level 2 Corrective Actions (Cont.)

PWS Size (Population Served)	Storage Facility Maintenance		Booster Disinfection				Cross-connection Control and Backflow Prevention Program	Addition or Upgrade of On-line Monitoring and Control			Addition of Security Measures	Development and Implementation of an Operations Plan	
	Repair/Replace Tank Hatch	Repair Storage Tank	Install Permanant Cl Booster Station	Install Temp Cl Booster Station	Install Permanant NH2Cl Booster Station	Install Temp NH2Cl Booster Station	Backflow Prevention Assembly	Online Cl Monitoring & Programming	Online NH2Cl Monitoring & Programming	Online Pressure Monitoring & Programming	Installation of Additional Security Measures	Develop/Implement/Maintain Operations Plan	Operator Training/Certification
	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
Community Water Systems (CWSs) - SW													
≤500	$ 3,190.00	$ 40,448.00	$ 16,270.00	$ 1,900.00	$ 23,460.00	$ 4,720.00	$ 3,450.00	$ 5,430.00	$ 13,890.00	$ 4,530.00	$ 13,100.00	$ -	$ -
501-1,000	$ 3,190.00	$ 55,754.00	$ 16,270.00	$ 1,980.00	$ 23,550.00	$ 4,720.00	$ 3,530.00	$ 5,590.00	$ 14,050.00	$ 4,630.00	$ 13,100.00	$ -	$ -
1,001-4,100	$ 3,190.00	$ 76,888.00	$ 16,270.00	$ 1,980.00	$ 23,550.00	$ 4,720.00	$ 3,550.00	$ 5,620.00	$ 14,080.00	$ 4,660.00	$ 13,100.00	$ -	$ -
4,101-33,000	$ 3,190.00	$ 124,078.00	$ 16,840.00	$ 2,530.00	$ 27,180.00	$ 6,150.00	$ 3,820.00	$ 5,920.00	$ 14,380.00	$ 4,860.00	$ 17,650.00	$ -	$ -
33,001-96,000	$ 3,190.00	$ 171,996.00	$ 17,990.00	$ 2,880.00	$ 28,350.00	$ 6,150.00	$ 3,830.00	$ 5,940.00	$ 14,400.00	$ 4,870.00	$ 17,650.00	$ -	$ -
96,001-500,000	$ 3,190.00	$ 171,996.00	$ 22,260.00	$ 2,880.00	$ 33,670.00	$ 6,150.00	$ 4,720.00	$ 6,160.00	$ 14,620.00	$ 5,020.00	$ 17,650.00	$ -	$ -
500,001-1 Million	$ 3,190.00	$ 343,994.00	$ 39,380.00	$ 3,510.00	$ 94,200.00	$ 7,090.00	$ 6,370.00	$ 6,160.00	$ 14,620.00	$ 5,020.00	$ 17,650.00	$ -	$ -
> 1 Million	$ 3,190.00	$ 343,994.00	$ 52,430.00	$ 6,070.00	$ 115,800.00	$ 11,510.00	$ 6,370.00	$ 6,160.00	$ 14,620.00	$ 5,020.00	$ 17,650.00	$ -	$ -
Community Water Systems (CWSs) - GW													
≤500	$ 3,190.00	$ 40,448.00	$ 16,270.00	$ 1,900.00	$ 23,460.00	$ 4,720.00	$ 3,450.00	$ 5,430.00	$ 13,890.00	$ 4,530.00	$ 13,100.00	$ -	$ -
501-1,000	$ 3,190.00	$ 55,754.00	$ 16,270.00	$ 1,980.00	$ 23,550.00	$ 4,720.00	$ 3,530.00	$ 5,590.00	$ 14,050.00	$ 4,630.00	$ 13,100.00	$ -	$ -
1,001-4,100	$ 3,190.00	$ 76,888.00	$ 16,270.00	$ 1,980.00	$ 23,550.00	$ 4,720.00	$ 3,550.00	$ 5,620.00	$ 14,080.00	$ 4,660.00	$ 13,100.00	$ -	$ -
4,101-33,000	$ 3,190.00	$ 124,078.00	$ 16,840.00	$ 2,530.00	$ 27,180.00	$ 6,150.00	$ 3,820.00	$ 5,920.00	$ 14,380.00	$ 4,860.00	$ 17,650.00	$ -	$ -
33,001-96,000	$ 3,190.00	$ 171,996.00	$ 17,990.00	$ 2,880.00	$ 28,350.00	$ 6,150.00	$ 3,830.00	$ 5,940.00	$ 14,400.00	$ 4,870.00	$ 17,650.00	$ -	$ -
96,001-500,000	$ 3,190.00	$ 171,996.00	$ 22,260.00	$ 2,880.00	$ 33,670.00	$ 6,150.00	$ 4,720.00	$ 6,160.00	$ 14,620.00	$ 5,020.00	$ 17,650.00	$ -	$ -
500,001-1 Million	$ 3,190.00	$ 343,994.00	$ 39,380.00	$ 3,510.00	$ 94,200.00	$ 7,090.00	$ 6,370.00	$ 6,160.00	$ 14,620.00	$ 5,020.00	$ 17,650.00	$ -	$ -
> 1 Million	$ 3,190.00	$ 343,994.00	$ 52,430.00	$ 6,070.00	$ 115,800.00	$ 11,510.00	$ 6,370.00	$ 6,160.00	$ 14,620.00	$ 5,020.00	$ 17,650.00	$ -	$ -
Nontransient Noncommunity Water Systems (NTNCWSs) - SW													
≤500	$ 3,190.00	$ 40,448.00	$ 16,270.00	$ 1,900.00	$ 23,460.00	$ 4,720.00	$ 3,450.00	$ 5,430.00	$ 13,890.00	$ 4,530.00	$ 13,100.00	$ -	$ -
501-1,000	$ 3,190.00	$ 55,754.00	$ 16,270.00	$ 1,980.00	$ 23,550.00	$ 4,720.00	$ 3,530.00	$ 5,590.00	$ 14,050.00	$ 4,630.00	$ 13,100.00	$ -	$ -
1,001-4,100	$ 3,190.00	$ 76,888.00	$ 16,270.00	$ 1,980.00	$ 23,550.00	$ 4,720.00	$ 3,550.00	$ 5,620.00	$ 14,080.00	$ 4,660.00	$ 13,100.00	$ -	$ -
4,101-33,000	$ 3,190.00	$ 124,078.00	$ 16,840.00	$ 2,530.00	$ 27,180.00	$ 6,150.00	$ 3,820.00	$ 5,920.00	$ 14,380.00	$ 4,860.00	$ 17,650.00	$ -	$ -
33,001-96,000	$ 3,190.00	$ 171,996.00	$ 17,990.00	$ 2,880.00	$ 28,350.00	$ 6,150.00	$ 3,830.00	$ 5,940.00	$ 14,400.00	$ 4,870.00	$ 17,650.00	$ -	$ -
96,001-500,000	$ 3,190.00	$ 171,996.00	$ 22,260.00	$ 2,880.00	$ 33,670.00	$ 6,150.00	$ 4,720.00	$ 6,160.00	$ 14,620.00	$ 5,020.00	$ 17,650.00	$ -	$ -
500,001-1 Million	$ 3,190.00	$ 343,994.00	$ 39,380.00	$ 3,510.00	$ 94,200.00	$ 7,090.00	$ 6,370.00	$ 6,160.00	$ 14,620.00	$ 5,020.00	$ 17,650.00	$ -	$ -
> 1 Million	$ 3,190.00	$ 343,994.00	$ 52,430.00	$ 6,070.00	$ 115,800.00	$ 11,510.00	$ 6,370.00	$ 6,160.00	$ 14,620.00	$ 5,020.00	$ 17,650.00	$ -	$ -
Nontransient Noncommunity Water Systems (NTNCWSs) - GW													
≤500	$ 3,190.00	$ 40,448.00	$ 16,270.00	$ 1,900.00	$ 23,460.00	$ 4,720.00	$ 3,450.00	$ 5,430.00	$ 13,890.00	$ 4,530.00	$ 13,100.00	$ -	$ -
501-1,000	$ 3,190.00	$ 55,754.00	$ 16,270.00	$ 1,980.00	$ 23,550.00	$ 4,720.00	$ 3,530.00	$ 5,590.00	$ 14,050.00	$ 4,630.00	$ 13,100.00	$ -	$ -
1,001-4,100	$ 3,190.00	$ 76,888.00	$ 16,270.00	$ 1,980.00	$ 23,550.00	$ 4,720.00	$ 3,550.00	$ 5,620.00	$ 14,080.00	$ 4,660.00	$ 13,100.00	$ -	$ -
4,101-33,000	$ 3,190.00	$ 124,078.00	$ 16,840.00	$ 2,530.00	$ 27,180.00	$ 6,150.00	$ 3,820.00	$ 5,920.00	$ 14,380.00	$ 4,860.00	$ 17,650.00	$ -	$ -
33,001-96,000	$ 3,190.00	$ 171,996.00	$ 17,990.00	$ 2,880.00	$ 28,350.00	$ 6,150.00	$ 3,830.00	$ 5,940.00	$ 14,400.00	$ 4,870.00	$ 17,650.00	$ -	$ -
96,001-500,000	$ 3,190.00	$ 171,996.00	$ 22,260.00	$ 2,880.00	$ 33,670.00	$ 6,150.00	$ 4,720.00	$ 6,160.00	$ 14,620.00	$ 5,020.00	$ 17,650.00	$ -	$ -
500,001-1 Million	$ 3,190.00	$ 343,994.00	$ 39,380.00	$ 3,510.00	$ 94,200.00	$ 7,090.00	$ 6,370.00	$ 6,160.00	$ 14,620.00	$ 5,020.00	$ 17,650.00	$ -	$ -
> 1 Million	$ 3,190.00	$ 343,994.00	$ 52,430.00	$ 6,070.00	$ 115,800.00	$ 11,510.00	$ 6,370.00	$ 6,160.00	$ 14,620.00	$ 5,020.00	$ 17,650.00	$ -	$ -
Transient Noncommunity Water Systems (TNCWSs) - SW													
≤500	$ 3,190.00	$ 40,448.00	$ 16,270.00	$ 1,900.00	$ 23,460.00	$ 4,720.00	$ 3,450.00	$ 5,430.00	$ 13,890.00	$ 4,530.00	$ 13,100.00	$ -	$ -
501-1,000	$ 3,190.00	$ 55,754.00	$ 16,270.00	$ 1,980.00	$ 23,550.00	$ 4,720.00	$ 3,530.00	$ 5,590.00	$ 14,050.00	$ 4,630.00	$ 13,100.00	$ -	$ -
1,001-4,100	$ 3,190.00	$ 76,888.00	$ 16,270.00	$ 1,980.00	$ 23,550.00	$ 4,720.00	$ 3,550.00	$ 5,620.00	$ 14,080.00	$ 4,660.00	$ 13,100.00	$ -	$ -
4,101-33,000	$ 3,190.00	$ 124,078.00	$ 16,840.00	$ 2,530.00	$ 27,180.00	$ 6,150.00	$ 3,820.00	$ 5,920.00	$ 14,380.00	$ 4,860.00	$ 17,650.00	$ -	$ -
33,001-96,000	$ 3,190.00	$ 171,996.00	$ 17,990.00	$ 2,880.00	$ 28,350.00	$ 6,150.00	$ 3,830.00	$ 5,940.00	$ 14,400.00	$ 4,870.00	$ 17,650.00	$ -	$ -
96,001-500,000	$ 3,190.00	$ 171,996.00	$ 22,260.00	$ 2,880.00	$ 33,670.00	$ 6,150.00	$ 4,720.00	$ 6,160.00	$ 14,620.00	$ 5,020.00	$ 17,650.00	$ -	$ -
500,001-1 Million	$ 3,190.00	$ 343,994.00	$ 39,380.00	$ 3,510.00	$ 94,200.00	$ 7,090.00	$ 6,370.00	$ 6,160.00	$ 14,620.00	$ 5,020.00	$ 17,650.00	$ -	$ -
> 1 Million	$ 3,190.00	$ 343,994.00	$ 52,430.00	$ 6,070.00	$ 115,800.00	$ 11,510.00	$ 6,370.00	$ 6,160.00	$ 14,620.00	$ 5,020.00	$ 17,650.00	$ -	$ -
Transient Noncommunity Water Systems (TNCWSs) - GW													
≤500	$ 3,190.00	$ 40,448.00	$ 16,270.00	$ 1,900.00	$ 23,460.00	$ 4,720.00	$ 3,450.00	$ 5,430.00	$ 13,890.00	$ 4,530.00	$ 13,100.00	$ -	$ -
501-1,000	$ 3,190.00	$ 55,754.00	$ 16,270.00	$ 1,980.00	$ 23,550.00	$ 4,720.00	$ 3,530.00	$ 5,590.00	$ 14,050.00	$ 4,630.00	$ 13,100.00	$ -	$ -
1,001-4,100	$ 3,190.00	$ 76,888.00	$ 16,270.00	$ 1,980.00	$ 23,550.00	$ 4,720.00	$ 3,550.00	$ 5,620.00	$ 14,080.00	$ 4,660.00	$ 13,100.00	$ -	$ -
4,101-33,000	$ 3,190.00	$ 124,078.00	$ 16,840.00	$ 2,530.00	$ 27,180.00	$ 6,150.00	$ 3,820.00	$ 5,920.00	$ 14,380.00	$ 4,860.00	$ 17,650.00	$ -	$ -
33,001-96,000	$ 3,190.00	$ 171,996.00	$ 17,990.00	$ 2,880.00	$ 28,350.00	$ 6,150.00	$ 3,830.00	$ 5,940.00	$ 14,400.00	$ 4,870.00	$ 17,650.00	$ -	$ -
96,001-500,000	$ 3,190.00	$ 171,996.00	$ 22,260.00	$ 2,880.00	$ 33,670.00	$ 6,150.00	$ 4,720.00	$ 6,160.00	$ 14,620.00	$ 5,020.00	$ 17,650.00	$ -	$ -
500,001-1 Million	$ 3,190.00	$ 343,994.00	$ 39,380.00	$ 3,510.00	$ 94,200.00	$ 7,090.00	$ 6,370.00	$ 6,160.00	$ 14,620.00	$ 5,020.00	$ 17,650.00	$ -	$ -
> 1 Million	$ 3,190.00	$ 343,994.00	$ 52,430.00	$ 6,070.00	$ 115,800.00	$ 11,510.00	$ 6,370.00	$ 6,160.00	$ 14,620.00	$ 5,020.00	$ 17,650.00	$ -	$ -

Exhibit D.6 One-time Unit Cost Estimates for Level 1 or Level 2 Corrective Actions

PWS Size (Population Served)	Labor Cost (per hour)	Scheduled/Routine Flushing		Sampler Training	Replace/Repair of Distribution System Components						Maintenance of Adequate Pressure		
		Routine Flushing	Spot Flushing	Operator Training/Certification	Replace Valve	Installing a Dedicated Sampling Tap	Replace Iron Pipe	Replace Fittings	Replace Hydrant	Replace Meter	New Booster Pump Station	Modify/Replace Existing Pumps	Install Variable Frequency Drives
	A	B	C	D	E	F	G	H	I	J	K	L	M
	Community Water Systems (CWSs) - SW												
≤500	$ 25.75	$ -	$ 220.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
501-1,000	$ 28.96	$ -	$ 230.00	$ 400.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1,001-4,100	$ 29.73	$ -	$ 280.00	$ 400.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4,101-33,000	$ 36.00	$ -	$ 450.00	$ 450.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33,001-96,000	$ 36.39	$ -	$ 460.00	$ 460.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ 41.01	$ -	$ 540.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ 41.01	$ -	$ 540.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ 41.01	$ -	$ 540.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Community Water Systems (CWSs) - GW												
≤500	$ 25.75	$ -	$ 220.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
501-1,000	$ 28.96	$ -	$ 230.00	$ 400.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1,001-4,100	$ 29.73	$ -	$ 280.00	$ 400.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4,101-33,000	$ 36.00	$ -	$ 450.00	$ 450.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33,001-96,000	$ 36.39	$ -	$ 460.00	$ 460.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ 41.01	$ -	$ 540.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ 41.01	$ -	$ 540.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ 41.01	$ -	$ 540.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	$ 25.75	$ -	$ 220.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
501-1,000	$ 28.96	$ -	$ 230.00	$ 400.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1,001-4,100	$ 29.73	$ -	$ 280.00	$ 400.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4,101-33,000	$ 36.00	$ -	$ 450.00	$ 450.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33,001-96,000	$ 36.39	$ -	$ 460.00	$ 460.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ 41.01	$ -	$ 540.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ 41.01	$ -	$ 540.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ 41.01	$ -	$ 540.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	$ 25.75	$ -	$ 220.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
501-1,000	$ 28.96	$ -	$ 230.00	$ 400.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1,001-4,100	$ 29.73	$ -	$ 280.00	$ 400.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4,101-33,000	$ 36.00	$ -	$ 450.00	$ 450.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33,001-96,000	$ 36.39	$ -	$ 460.00	$ 460.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ 41.01	$ -	$ 540.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ 41.01	$ -	$ 540.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ 41.01	$ -	$ 540.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	$ 25.75	$ -	$ 220.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
501-1,000	$ 28.96	$ -	$ 230.00	$ 400.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1,001-4,100	$ 29.73	$ -	$ 280.00	$ 400.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4,101-33,000	$ 36.00	$ -	$ 450.00	$ 450.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33,001-96,000	$ 36.39	$ -	$ 460.00	$ 460.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ 41.01	$ -	$ 540.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ 41.01	$ -	$ 540.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ 41.01	$ -	$ 540.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	$ 25.75	$ -	$ 220.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
501-1,000	$ 28.96	$ -	$ 230.00	$ 400.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1,001-4,100	$ 29.73	$ -	$ 280.00	$ 400.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4,101-33,000	$ 36.00	$ -	$ 450.00	$ 450.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33,001-96,000	$ 36.39	$ -	$ 460.00	$ 460.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ 41.01	$ -	$ 540.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ 41.01	$ -	$ 540.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ 41.01	$ -	$ 540.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Sources:

(A) Labor rates for PWSs from Exhibit 7.1.

(B) - (AM) One-time Unit Costs for Corrective Actions from proposed RTCR T/C Document.

Exhibit D.6 One-time Unit Cost Estimates for Level 1 or Level 2 Corrective Actions (Cont.)

PWS Size (Population Served)	Maintenance of Adequate Pressure			Maintenance of appropriate Hydraulic Residence Time							Storage Facility Maintenance		
	New Elevated Storage Tank	Install Surge Relief valve	Install Surge Control Tank	Install Auto Flushing Devices	Modify Inlet/Outlet Piping	Install Mixing Devices	Loop Dead Ends	Install Appropriate Main Sizes	Modify Storage Operation	Decommission Storage	Inspect & Clean Storage Tanks	Line Storage Tanks	Repair/Replace Storage Tank Vent
	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
	Community Water Systems (CWSs) - SW												
≤500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 210.00	$ 1,930.00	$ 1,510.00	$ -	$ -
501-1,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 240.00	$ 2,300.00	$ 1,830.00	$ -	$ -
1,001-4,100	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,200.00	$ 3,670.00	$ 3,190.00	$ -	$ -
4,101-33,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,250.00	$ 5,600.00	$ 5,020.00	$ -	$ -
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,260.00	$ 8,340.00	$ 7,750.00	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,290.00	$ 8,410.00	$ 7,750.00	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,290.00	$ 9,770.00	$ 9,110.00	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,290.00	$ 9,770.00	$ 9,110.00	$ -	$ -
	Community Water Systems (CWSs) - GW												
≤500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 210.00	$ 1,930.00	$ 1,510.00	$ -	$ -
501-1,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 240.00	$ 2,300.00	$ 1,830.00	$ -	$ -
1,001-4,100	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,200.00	$ 3,670.00	$ 3,190.00	$ -	$ -
4,101-33,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,250.00	$ 5,600.00	$ 5,020.00	$ -	$ -
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,260.00	$ 8,340.00	$ 7,750.00	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,290.00	$ 8,410.00	$ 7,750.00	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,290.00	$ 9,770.00	$ 9,110.00	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,290.00	$ 9,770.00	$ 9,110.00	$ -	$ -
	Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 210.00	$ 1,930.00	$ 1,510.00	$ -	$ -
501-1,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 240.00	$ 2,300.00	$ 1,830.00	$ -	$ -
1,001-4,100	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,200.00	$ 3,670.00	$ 3,190.00	$ -	$ -
4,101-33,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,250.00	$ 5,600.00	$ 5,020.00	$ -	$ -
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,260.00	$ 8,340.00	$ 7,750.00	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,290.00	$ 8,410.00	$ 7,750.00	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,290.00	$ 9,770.00	$ 9,110.00	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,290.00	$ 9,770.00	$ 9,110.00	$ -	$ -
	Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 210.00	$ 1,930.00	$ 1,510.00	$ -	$ -
501-1,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 240.00	$ 2,300.00	$ 1,830.00	$ -	$ -
1,001-4,100	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,200.00	$ 3,670.00	$ 3,190.00	$ -	$ -
4,101-33,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,250.00	$ 5,600.00	$ 5,020.00	$ -	$ -
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,260.00	$ 8,340.00	$ 7,750.00	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,290.00	$ 8,410.00	$ 7,750.00	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,290.00	$ 9,770.00	$ 9,110.00	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,290.00	$ 9,770.00	$ 9,110.00	$ -	$ -
	Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 210.00	$ 1,930.00	$ 1,510.00	$ -	$ -
501-1,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 240.00	$ 2,300.00	$ 1,830.00	$ -	$ -
1,001-4,100	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,200.00	$ 3,670.00	$ 3,190.00	$ -	$ -
4,101-33,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,250.00	$ 5,600.00	$ 5,020.00	$ -	$ -
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,260.00	$ 8,340.00	$ 7,750.00	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,290.00	$ 8,410.00	$ 7,750.00	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,290.00	$ 9,770.00	$ 9,110.00	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,290.00	$ 9,770.00	$ 9,110.00	$ -	$ -
	Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 210.00	$ 1,930.00	$ 1,510.00	$ -	$ -
501-1,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 240.00	$ 2,300.00	$ 1,830.00	$ -	$ -
1,001-4,100	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,200.00	$ 3,670.00	$ 3,190.00	$ -	$ -
4,101-33,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,250.00	$ 5,600.00	$ 5,020.00	$ -	$ -
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,260.00	$ 8,340.00	$ 7,750.00	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,290.00	$ 8,410.00	$ 7,750.00	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,290.00	$ 9,770.00	$ 9,110.00	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,290.00	$ 9,770.00	$ 9,110.00	$ -	$ -

Exhibit D.6 One-time Unit Cost Estimates for Level 1 or Level 2 Corrective Actions (Cont.)

PWS Size (Population Served)	Storage Facility Maintenance		Booster Disinfection				Cross-connection Control and Backflow Prevention Program	Addition or Upgrade of On-line Monitoring and Control			Addition of Security Measures	Development and Implementation of an Operations Plan	
	Repair/Replace Tank Hatch	Repair Storage Tank	Install Permanant Cl Booster Station	Install Temp Cl Booster Station	Install Permanant NH2Cl Booster Station	Install Temp NH2Cl Booster Station	Backflow Prevention Assembly	Online Cl Monitoring & Programming	Online NH2Cl Monitoring & Programming	Online Pressure Monitoring & Programming	Installation of Additional Security Measures	Develop/Implement/Maintain Operations Plan	Operator Training/Certification
	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
	Community Water Systems (CWSs) - SW												
≤500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,480.00	$ 370.00
501-1,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,170.00	$ 400.00
1,001-4,100	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,710.00	$ 400.00
4,101-33,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,820.00	$ 450.00
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,970.00	$ 460.00
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 47,240.00	$ 490.00
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 47,240.00	$ 490.00
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 47,240.00	$ 490.00
	Community Water Systems (CWSs) - GW												
≤500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,480.00	$ 370.00
501-1,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,170.00	$ 400.00
1,001-4,100	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,710.00	$ 400.00
4,101-33,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,820.00	$ 450.00
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,970.00	$ 460.00
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 47,240.00	$ 490.00
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 47,240.00	$ 490.00
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 47,240.00	$ 490.00
	Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,480.00	$ 370.00
501-1,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,170.00	$ 400.00
1,001-4,100	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,710.00	$ 400.00
4,101-33,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,820.00	$ 450.00
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,970.00	$ 460.00
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 47,240.00	$ 490.00
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 47,240.00	$ 490.00
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 47,240.00	$ 490.00
	Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,480.00	$ 370.00
501-1,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,170.00	$ 400.00
1,001-4,100	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,710.00	$ 400.00
4,101-33,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,820.00	$ 450.00
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,970.00	$ 460.00
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 47,240.00	$ 490.00
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 47,240.00	$ 490.00
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 47,240.00	$ 490.00
	Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,480.00	$ 370.00
501-1,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,170.00	$ 400.00
1,001-4,100	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,710.00	$ 400.00
4,101-33,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,820.00	$ 450.00
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,970.00	$ 460.00
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 47,240.00	$ 490.00
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 47,240.00	$ 490.00
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 47,240.00	$ 490.00
	Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,480.00	$ 370.00
501-1,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,170.00	$ 400.00
1,001-4,100	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,710.00	$ 400.00
4,101-33,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,820.00	$ 450.00
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,970.00	$ 460.00
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 47,240.00	$ 490.00
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 47,240.00	$ 490.00
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 47,240.00	$ 490.00

Exhibit D.7 O&M Unit Cost Estimates for Level 1 or Level 2 Corrective Actions

PWS Size (Population Served)	Labor Cost (per hour)	Scheduled/Routine Flushing		Sampler Training	Replace/Repair of Distribution System Components						Maintenance of Adequate Pressure		
		Routine Flushing	Spot Flushing	Operator Training/Certification	Replace Valve	Installing a Dedicated Sampling Tap	Replace Iron Pipe	Replace Fittings	Replace Hydrant	Replace Meter	New Booster Pump Station	Modify/Replace Existing Pumps	Install Variable Frequency Drives
	A	B	C	D	E	F	G	H	I	J	K	L	M
	Community Water Systems (CWSs) - SW												
≤500	$ 25.75	$ 1,410.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
501-1,000	$ 28.96	$ 2,930.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1,001-4,100	$ 29.73	$ 6,720.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4,101-33,000	$ 36.00	$ 31,100.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33,001-96,000	$ 36.39	$ 113,030.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ 41.01	$ 343,190.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ 41.01	$ 687,340.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ 41.01	$ 1,374,630.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Community Water Systems (CWSs) - GW												
≤500	$ 25.75	$ 1,410.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
501-1,000	$ 28.96	$ 2,930.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1,001-4,100	$ 29.73	$ 6,720.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4,101-33,000	$ 36.00	$ 31,100.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33,001-96,000	$ 36.39	$ 113,030.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ 41.01	$ 343,190.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ 41.01	$ 687,340.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ 41.01	$ 1,374,630.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	$ 25.75	$ 1,410.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
501-1,000	$ 28.96	$ 2,930.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1,001-4,100	$ 29.73	$ 6,720.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4,101-33,000	$ 36.00	$ 31,100.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33,001-96,000	$ 36.39	$ 113,030.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ 41.01	$ 343,190.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ 41.01	$ 687,340.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ 41.01	$ 1,374,630.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	$ 25.75	$ 1,410.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
501-1,000	$ 28.96	$ 2,930.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1,001-4,100	$ 29.73	$ 6,720.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4,101-33,000	$ 36.00	$ 31,100.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33,001-96,000	$ 36.39	$ 113,030.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ 41.01	$ 343,190.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ 41.01	$ 687,340.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ 41.01	$ 1,374,630.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	$ 25.75	$ 1,410.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
501-1,000	$ 28.96	$ 2,930.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1,001-4,100	$ 29.73	$ 6,720.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4,101-33,000	$ 36.00	$ 31,100.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33,001-96,000	$ 36.39	$ 113,030.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ 41.01	$ 343,190.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ 41.01	$ 687,340.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ 41.01	$ 1,374,630.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	$ 25.75	$ 1,410.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
501-1,000	$ 28.96	$ 2,930.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1,001-4,100	$ 29.73	$ 6,720.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4,101-33,000	$ 36.00	$ 31,100.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33,001-96,000	$ 36.39	$ 113,030.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ 41.01	$ 343,190.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ 41.01	$ 687,340.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ 41.01	$ 1,374,630.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Sources:

(A) Labor rates for PWSs from Exhibit 7.1.

(B) - (AM) O&M Unit Costs for Corrective Actions from proposed RTCR T/C Document.

Exhibit D.7 O&M Unit Cost Estimates for Level 1 or Level 2 Corrective Actions (Cont.)

PWS Size (Population Served)	Maintenance of Adequate Pressure			Maintenance of appropriate Hydraulic Residence Time							Storage Facility Maintenance		
	New Elevated Storage Tank	Install Surge Relief valve	Install Surge Control Tank	Install Auto Flushing Devices	Modify Inlet/Outlet Piping	Install Mixing Devices	Loop Dead Ends	Install Appropriate Main Sizes	Modify Storage Operation	Decommission Storage	Inspect & Clean Storage Tanks	Line Storage Tanks	Repair/Replace Storage Tank Vent
	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
	Community Water Systems (CWSs) - SW												
≤500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
501-1,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1,001-4,100	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4,101-33,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Community Water Systems (CWSs) - GW												
≤500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
501-1,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1,001-4,100	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4,101-33,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
501-1,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1,001-4,100	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4,101-33,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
501-1,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1,001-4,100	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4,101-33,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
501-1,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1,001-4,100	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4,101-33,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
501-1,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1,001-4,100	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4,101-33,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Exhibit D.7 O&M Unit Cost Estimates for Level 1 or Level 2 Corrective Actions (Cont.)

PWS Size (Population Served)	Storage Facility Maintenance		Booster Disinfection				Cross-connection Control and Backflow Prevention Program	Addition or Upgrade of On-line Monitoring and Control			Addition of Security Measures	Development and Implementation of an Operations Plan	
	Repair/Replace Tank Hatch	Repair Storage Tank	Install Permanant Cl Booster Station	Install Temp Cl Booster Station	Install Permanant NH2Cl Booster Station	Install Temp NH2Cl Booster Station	Backflow Prevention Assembly	Online Cl Monitoring & Programming	Online NH2Cl Monitoring & Programming	Online Pressure Monitoring & Programming	Installation of Additional Security Measures	Develop/Implement/Maintain Operations Plan	Operator Training/Certification
	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
	Community Water Systems (CWSs) - SW												
≤500	$ -	$ -	$ 11,540.00	$ 230.00	$ 15,780.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ 370.00	$ -
501-1,000	$ -	$ -	$ 12,740.00	$ 230.00	$ 17,250.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ 830.00	$ -
1,001-4,100	$ -	$ -	$ 12,740.00	$ 240.00	$ 17,250.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ 860.00	$ -
4,101-33,000	$ -	$ -	$ 19,430.00	$ 250.00	$ 25,450.00	$ 390.00	$ -	$ -	$ -	$ -	$ -	$ 1,730.00	$ -
33,001-96,000	$ -	$ -	$ 29,110.00	$ 260.00	$ 40,260.00	$ 390.00	$ -	$ -	$ -	$ -	$ -	$ 1,750.00	$ -
96,001-500,000	$ -	$ -	$ 35,090.00	$ 270.00	$ 47,570.00	$ 400.00	$ -	$ -	$ -	$ -	$ -	$ 1,970.00	$ -
500,001-1 Million	$ -	$ -	$ 62,820.00	$ 360.00	$ 87,410.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ 3,940.00	$ -
> 1 Million	$ -	$ -	$ 107,920.00	$ 650.00	$ 149,000.00	$ 840.00	$ -	$ -	$ -	$ -	$ -	$ 3,940.00	$ -
	Community Water Systems (CWSs) - GW												
≤500	$ -	$ -	$ 11,540.00	$ 230.00	$ 15,780.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ 370.00	$ -
501-1,000	$ -	$ -	$ 12,740.00	$ 230.00	$ 17,250.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ 830.00	$ -
1,001-4,100	$ -	$ -	$ 12,740.00	$ 240.00	$ 17,250.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ 860.00	$ -
4,101-33,000	$ -	$ -	$ 19,430.00	$ 250.00	$ 25,450.00	$ 390.00	$ -	$ -	$ -	$ -	$ -	$ 1,730.00	$ -
33,001-96,000	$ -	$ -	$ 29,110.00	$ 260.00	$ 40,260.00	$ 390.00	$ -	$ -	$ -	$ -	$ -	$ 1,750.00	$ -
96,001-500,000	$ -	$ -	$ 35,090.00	$ 270.00	$ 47,570.00	$ 400.00	$ -	$ -	$ -	$ -	$ -	$ 1,970.00	$ -
500,001-1 Million	$ -	$ -	$ 62,820.00	$ 360.00	$ 87,410.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ 3,940.00	$ -
> 1 Million	$ -	$ -	$ 107,920.00	$ 650.00	$ 149,000.00	$ 840.00	$ -	$ -	$ -	$ -	$ -	$ 3,940.00	$ -
	Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	$ -	$ -	$ 11,540.00	$ 230.00	$ 15,780.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ 370.00	$ -
501-1,000	$ -	$ -	$ 12,740.00	$ 230.00	$ 17,250.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ 830.00	$ -
1,001-4,100	$ -	$ -	$ 12,740.00	$ 240.00	$ 17,250.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ 860.00	$ -
4,101-33,000	$ -	$ -	$ 19,430.00	$ 250.00	$ 25,450.00	$ 390.00	$ -	$ -	$ -	$ -	$ -	$ 1,730.00	$ -
33,001-96,000	$ -	$ -	$ 29,110.00	$ 260.00	$ 40,260.00	$ 390.00	$ -	$ -	$ -	$ -	$ -	$ 1,750.00	$ -
96,001-500,000	$ -	$ -	$ 35,090.00	$ 270.00	$ 47,570.00	$ 400.00	$ -	$ -	$ -	$ -	$ -	$ 1,970.00	$ -
500,001-1 Million	$ -	$ -	$ 62,820.00	$ 360.00	$ 87,410.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ 3,940.00	$ -
> 1 Million	$ -	$ -	$ 107,920.00	$ 650.00	$ 149,000.00	$ 840.00	$ -	$ -	$ -	$ -	$ -	$ 3,940.00	$ -
	Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	$ -	$ -	$ 11,540.00	$ 230.00	$ 15,780.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ 370.00	$ -
501-1,000	$ -	$ -	$ 12,740.00	$ 230.00	$ 17,250.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ 830.00	$ -
1,001-4,100	$ -	$ -	$ 12,740.00	$ 240.00	$ 17,250.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ 860.00	$ -
4,101-33,000	$ -	$ -	$ 19,430.00	$ 250.00	$ 25,450.00	$ 390.00	$ -	$ -	$ -	$ -	$ -	$ 1,730.00	$ -
33,001-96,000	$ -	$ -	$ 29,110.00	$ 260.00	$ 40,260.00	$ 390.00	$ -	$ -	$ -	$ -	$ -	$ 1,750.00	$ -
96,001-500,000	$ -	$ -	$ 35,090.00	$ 270.00	$ 47,570.00	$ 400.00	$ -	$ -	$ -	$ -	$ -	$ 1,970.00	$ -
500,001-1 Million	$ -	$ -	$ 62,820.00	$ 360.00	$ 87,410.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ 3,940.00	$ -
> 1 Million	$ -	$ -	$ 107,920.00	$ 650.00	$ 149,000.00	$ 840.00	$ -	$ -	$ -	$ -	$ -	$ 3,940.00	$ -
	Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	$ -	$ -	$ 11,540.00	$ 230.00	$ 15,780.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ 370.00	$ -
501-1,000	$ -	$ -	$ 12,740.00	$ 230.00	$ 17,250.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ 830.00	$ -
1,001-4,100	$ -	$ -	$ 12,740.00	$ 240.00	$ 17,250.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ 860.00	$ -
4,101-33,000	$ -	$ -	$ 19,430.00	$ 250.00	$ 25,450.00	$ 390.00	$ -	$ -	$ -	$ -	$ -	$ 1,730.00	$ -
33,001-96,000	$ -	$ -	$ 29,110.00	$ 260.00	$ 40,260.00	$ 390.00	$ -	$ -	$ -	$ -	$ -	$ 1,750.00	$ -
96,001-500,000	$ -	$ -	$ 35,090.00	$ 270.00	$ 47,570.00	$ 400.00	$ -	$ -	$ -	$ -	$ -	$ 1,970.00	$ -
500,001-1 Million	$ -	$ -	$ 62,820.00	$ 360.00	$ 87,410.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ 3,940.00	$ -
> 1 Million	$ -	$ -	$ 107,920.00	$ 650.00	$ 149,000.00	$ 840.00	$ -	$ -	$ -	$ -	$ -	$ 3,940.00	$ -
	Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	$ -	$ -	$ 11,540.00	$ 230.00	$ 15,780.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ 370.00	$ -
501-1,000	$ -	$ -	$ 12,740.00	$ 230.00	$ 17,250.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ 830.00	$ -
1,001-4,100	$ -	$ -	$ 12,740.00	$ 240.00	$ 17,250.00	$ 370.00	$ -	$ -	$ -	$ -	$ -	$ 860.00	$ -
4,101-33,000	$ -	$ -	$ 19,430.00	$ 250.00	$ 25,450.00	$ 390.00	$ -	$ -	$ -	$ -	$ -	$ 1,730.00	$ -
33,001-96,000	$ -	$ -	$ 29,110.00	$ 260.00	$ 40,260.00	$ 390.00	$ -	$ -	$ -	$ -	$ -	$ 1,750.00	$ -
96,001-500,000	$ -	$ -	$ 35,090.00	$ 270.00	$ 47,570.00	$ 400.00	$ -	$ -	$ -	$ -	$ -	$ 1,970.00	$ -
500,001-1 Million	$ -	$ -	$ 62,820.00	$ 360.00	$ 87,410.00	$ 490.00	$ -	$ -	$ -	$ -	$ -	$ 3,940.00	$ -
> 1 Million	$ -	$ -	$ 107,920.00	$ 650.00	$ 149,000.00	$ 840.00	$ -	$ -	$ -	$ -	$ -	$ 3,940.00	$ -

Exhibit D.8 Weighted Capital Unit Cost Estimates for Corrective Actions

PWS Size (Population Served)	Level 1 Corrective Actions						Level 2 Corrective Actions					
	Weighted Unit Costs - PWS			Weighted Unit Costs - State			Weighted Unit Costs - PWS			Weighted Unit Costs - State		
	TCR	AIP	Alt Anal	TCR	AIP	Alt Anal	TCR	AIP	Alt Anal	TCR	AIP	Alt Anal
	A	B	C	D	E	F	G	H	I	J	K	L
Community Water Systems (CWSs) - SW												
≤500	$ -	$ 2,614.36	$ 2,614.36	$ -	$ 19.61	$ 19.61	$ -	$ 5,063.89	$ 5,063.89	$ -	$ 19.61	$ 19.61
501-1,000	$ -	$ 3,203.72	$ 3,203.72	$ -	$ 19.61	$ 19.61	$ -	$ 6,197.66	$ 6,197.66	$ -	$ 19.61	$ 19.61
1,001-4,100	$ -	$ 4,051.05	$ 4,051.05	$ -	$ 19.61	$ 19.61	$ -	$ 7,928.83	$ 7,928.83	$ -	$ 19.61	$ 19.61
4,101-33,000	$ -	$ 8,626.58	$ 8,626.58	$ -	$ 19.61	$ 19.61	$ -	$ 15,963.26	$ 15,963.26	$ -	$ 19.61	$ 19.61
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Community Water Systems (CWSs) - GW												
≤500	$ -	$ 2,614.36	$ 2,614.36	$ -	$ 19.61	$ 19.61	$ -	$ 5,063.89	$ 5,063.89	$ -	$ 19.61	$ 19.61
501-1,000	$ -	$ 3,203.72	$ 3,203.72	$ -	$ 19.61	$ 19.61	$ -	$ 6,197.66	$ 6,197.66	$ -	$ 19.61	$ 19.61
1,001-4,100	$ -	$ 4,051.05	$ 4,051.05	$ -	$ 19.61	$ 19.61	$ -	$ 7,928.83	$ 7,928.83	$ -	$ 19.61	$ 19.61
4,101-33,000	$ -	$ 8,626.58	$ 8,626.58	$ -	$ 19.61	$ 19.61	$ -	$ 15,963.26	$ 15,963.26	$ -	$ 19.61	$ 19.61
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	$ -	$ 2,614.36	$ 2,614.36	$ -	$ 19.61	$ 19.61	$ -	$ 5,063.89	$ 5,063.89	$ -	$ 19.61	$ 19.61
501-1,000	$ -	$ 3,203.72	$ 3,203.72	$ -	$ 19.61	$ 19.61	$ -	$ 6,197.66	$ 6,197.66	$ -	$ 19.61	$ 19.61
1,001-4,100	$ -	$ 4,051.05	$ 4,051.05	$ -	$ 19.61	$ 19.61	$ -	$ 7,928.83	$ 7,928.83	$ -	$ 19.61	$ 19.61
4,101-33,000	$ -	$ 8,626.58	$ 8,626.58	$ -	$ 19.61	$ 19.61	$ -	$ 15,963.26	$ 15,963.26	$ -	$ 19.61	$ 19.61
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	$ -	$ 2,614.36	$ 2,614.36	$ -	$ 19.61	$ 19.61	$ -	$ 5,063.89	$ 5,063.89	$ -	$ 19.61	$ 19.61
501-1,000	$ -	$ 3,203.72	$ 3,203.72	$ -	$ 19.61	$ 19.61	$ -	$ 6,197.66	$ 6,197.66	$ -	$ 19.61	$ 19.61
1,001-4,100	$ -	$ 4,051.05	$ 4,051.05	$ -	$ 19.61	$ 19.61	$ -	$ 7,928.83	$ 7,928.83	$ -	$ 19.61	$ 19.61
4,101-33,000	$ -	$ 8,626.58	$ 8,626.58	$ -	$ 19.61	$ 19.61	$ -	$ 15,963.26	$ 15,963.26	$ -	$ 19.61	$ 19.61
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	$ -	$ 2,614.36	$ 2,614.36	$ -	$ 19.61	$ 19.61	$ -	$ 5,063.89	$ 5,063.89	$ -	$ 19.61	$ 19.61
501-1,000	$ -	$ 3,203.72	$ 3,203.72	$ -	$ 19.61	$ 19.61	$ -	$ 6,197.66	$ 6,197.66	$ -	$ 19.61	$ 19.61
1,001-4,100	$ -	$ 4,051.05	$ 4,051.05	$ -	$ 19.61	$ 19.61	$ -	$ 7,928.83	$ 7,928.83	$ -	$ 19.61	$ 19.61
4,101-33,000	$ -	$ 8,626.58	$ 8,626.58	$ -	$ 19.61	$ 19.61	$ -	$ 15,963.26	$ 15,963.26	$ -	$ 19.61	$ 19.61
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	$ -	$ 2,614.36	$ 2,614.36	$ -	$ 19.61	$ 19.61	$ -	$ 5,063.89	$ 5,063.89	$ -	$ 19.61	$ 19.61
501-1,000	$ -	$ 3,203.72	$ 3,203.72	$ -	$ 19.61	$ 19.61	$ -	$ 6,197.66	$ 6,197.66	$ -	$ 19.61	$ 19.61
1,001-4,100	$ -	$ 4,051.05	$ 4,051.05	$ -	$ 19.61	$ 19.61	$ -	$ 7,928.83	$ 7,928.83	$ -	$ 19.61	$ 19.61
4,101-33,000	$ -	$ 8,626.58	$ 8,626.58	$ -	$ 19.61	$ 19.61	$ -	$ 15,963.26	$ 15,963.26	$ -	$ 19.61	$ 19.61
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Sources:

(A) - (L) Weighted unit costs for corrective actions based on compliance forecasts (Exhibits D.1 - D.4) and unit costs (Exhibits D.5 - D.7).

Exhibit D.9 Weighted One-time Unit Cost Estimates for Corrective Actions

PWS Size (Population Served)	Level 1 Corrective Actions						Level 2 Corrective Actions					
	Weighted Unit Costs - PWS			Weighted Unit Costs - State			Weighted Unit Costs - PWS			Weighted Unit Costs - State		
	TCR	AIP	Alt Anal	TCR	AIP	Alt Anal	TCR	AIP	Alt Anal	TCR	AIP	Alt Anal
	A	B	C	D	E	F	G	H	I	J	K	L
Community Water Systems (CWSs) - SW												
≤500	$ -	$ 168.28	$ 168.28	$ -	$ 19.61	$ 19.61	$ -	$ 183.78	$ 183.78	$ -	$ 19.61	$ 19.61
501-1,000	$ -	$ 202.88	$ 202.88	$ -	$ 19.61	$ 19.61	$ -	$ 239.08	$ 239.08	$ -	$ 19.61	$ 19.61
1,001-4,100	$ -	$ 273.67	$ 273.67	$ -	$ 19.61	$ 19.61	$ -	$ 360.17	$ 360.17	$ -	$ 19.61	$ 19.61
4,101-33,000	$ -	$ 437.60	$ 437.60	$ -	$ 19.61	$ 19.61	$ -	$ 631.50	$ 631.50	$ -	$ 19.61	$ 19.61
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Community Water Systems (CWSs) - GW												
≤500	$ -	$ 168.28	$ 168.28	$ -	$ 19.61	$ 19.61	$ -	$ 183.78	$ 183.78	$ -	$ 19.61	$ 19.61
501-1,000	$ -	$ 202.88	$ 202.88	$ -	$ 19.61	$ 19.61	$ -	$ 239.08	$ 239.08	$ -	$ 19.61	$ 19.61
1,001-4,100	$ -	$ 273.67	$ 273.67	$ -	$ 19.61	$ 19.61	$ -	$ 360.17	$ 360.17	$ -	$ 19.61	$ 19.61
4,101-33,000	$ -	$ 437.60	$ 437.60	$ -	$ 19.61	$ 19.61	$ -	$ 631.50	$ 631.50	$ -	$ 19.61	$ 19.61
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	$ -	$ 168.28	$ 168.28	$ -	$ 19.61	$ 19.61	$ -	$ 183.78	$ 183.78	$ -	$ 19.61	$ 19.61
501-1,000	$ -	$ 202.88	$ 202.88	$ -	$ 19.61	$ 19.61	$ -	$ 239.08	$ 239.08	$ -	$ 19.61	$ 19.61
1,001-4,100	$ -	$ 273.67	$ 273.67	$ -	$ 19.61	$ 19.61	$ -	$ 360.17	$ 360.17	$ -	$ 19.61	$ 19.61
4,101-33,000	$ -	$ 437.60	$ 437.60	$ -	$ 19.61	$ 19.61	$ -	$ 631.50	$ 631.50	$ -	$ 19.61	$ 19.61
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	$ -	$ 168.28	$ 168.28	$ -	$ 19.61	$ 19.61	$ -	$ 183.78	$ 183.78	$ -	$ 19.61	$ 19.61
501-1,000	$ -	$ 202.88	$ 202.88	$ -	$ 19.61	$ 19.61	$ -	$ 239.08	$ 239.08	$ -	$ 19.61	$ 19.61
1,001-4,100	$ -	$ 273.67	$ 273.67	$ -	$ 19.61	$ 19.61	$ -	$ 360.17	$ 360.17	$ -	$ 19.61	$ 19.61
4,101-33,000	$ -	$ 437.60	$ 437.60	$ -	$ 19.61	$ 19.61	$ -	$ 631.50	$ 631.50	$ -	$ 19.61	$ 19.61
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	$ -	$ 168.28	$ 168.28	$ -	$ 19.61	$ 19.61	$ -	$ 183.78	$ 183.78	$ -	$ 19.61	$ 19.61
501-1,000	$ -	$ 202.88	$ 202.88	$ -	$ 19.61	$ 19.61	$ -	$ 239.08	$ 239.08	$ -	$ 19.61	$ 19.61
1,001-4,100	$ -	$ 273.67	$ 273.67	$ -	$ 19.61	$ 19.61	$ -	$ 360.17	$ 360.17	$ -	$ 19.61	$ 19.61
4,101-33,000	$ -	$ 437.60	$ 437.60	$ -	$ 19.61	$ 19.61	$ -	$ 631.50	$ 631.50	$ -	$ 19.61	$ 19.61
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	$ -	$ 168.28	$ 168.28	$ -	$ 19.61	$ 19.61	$ -	$ 183.78	$ 183.78	$ -	$ 19.61	$ 19.61
501-1,000	$ -	$ 202.88	$ 202.88	$ -	$ 19.61	$ 19.61	$ -	$ 239.08	$ 239.08	$ -	$ 19.61	$ 19.61
1,001-4,100	$ -	$ 273.67	$ 273.67	$ -	$ 19.61	$ 19.61	$ -	$ 360.17	$ 360.17	$ -	$ 19.61	$ 19.61
4,101-33,000	$ -	$ 437.60	$ 437.60	$ -	$ 19.61	$ 19.61	$ -	$ 631.50	$ 631.50	$ -	$ 19.61	$ 19.61
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Sources:

(A) - (L) Weighted unit costs for corrective actions based on compliance forecasts (Exhibits D.1 - D.4) and unit costs (Exhibits D.5 - D.7).

Exhibit D.10 Weighted O&M Unit Cost Estimates for Corrective Actions

PWS Size (Population Served)	Level 1 Corrective Actions						Level 2 Corrective Actions					
	Weighted Unit Costs - PWS			Weighted Unit Costs - State			Weighted Unit Costs - PWS			Weighted Unit Costs - State		
	TCR	AIP	Alt Anal	TCR	AIP	Alt Anal	TCR	AIP	Alt Anal	TCR	AIP	Alt Anal
	A	B	C	D	E	F	G	H	I	J	K	L
Community Water Systems (CWSs) - SW												
≤500	$ -	$ 718.78	$ 718.78	$ -	$ 19.61	$ 19.61	$ -	$ 719.68	$ 719.68	$ -	$ 19.61	$ 19.61
501-1,000	$ -	$ 1,207.68	$ 1,207.68	$ -	$ 19.61	$ 19.61	$ -	$ 935.88	$ 935.88	$ -	$ 19.61	$ 19.61
1,001-4,100	$ -	$ 2,345.47	$ 2,345.47	$ -	$ 19.61	$ 19.61	$ -	$ 1,316.07	$ 1,316.07	$ -	$ 19.61	$ 19.61
4,101-33,000	$ -	$ 9,820.50	$ 9,820.50	$ -	$ 19.61	$ 19.61	$ -	$ 4,073.00	$ 4,073.00	$ -	$ 19.61	$ 19.61
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Community Water Systems (CWSs) - GW												
≤500	$ -	$ 718.78	$ 718.78	$ -	$ 19.61	$ 19.61	$ -	$ 719.68	$ 719.68	$ -	$ 19.61	$ 19.61
501-1,000	$ -	$ 1,207.68	$ 1,207.68	$ -	$ 19.61	$ 19.61	$ -	$ 935.88	$ 935.88	$ -	$ 19.61	$ 19.61
1,001-4,100	$ -	$ 2,345.47	$ 2,345.47	$ -	$ 19.61	$ 19.61	$ -	$ 1,316.07	$ 1,316.07	$ -	$ 19.61	$ 19.61
4,101-33,000	$ -	$ 9,820.50	$ 9,820.50	$ -	$ 19.61	$ 19.61	$ -	$ 4,073.00	$ 4,073.00	$ -	$ 19.61	$ 19.61
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Nontransient Noncommunity Water Systems (NTNCWSs) - SW												
≤500	$ -	$ 718.78	$ 718.78	$ -	$ 19.61	$ 19.61	$ -	$ 719.68	$ 719.68	$ -	$ 19.61	$ 19.61
501-1,000	$ -	$ 1,207.68	$ 1,207.68	$ -	$ 19.61	$ 19.61	$ -	$ 935.88	$ 935.88	$ -	$ 19.61	$ 19.61
1,001-4,100	$ -	$ 2,345.47	$ 2,345.47	$ -	$ 19.61	$ 19.61	$ -	$ 1,316.07	$ 1,316.07	$ -	$ 19.61	$ 19.61
4,101-33,000	$ -	$ 9,820.50	$ 9,820.50	$ -	$ 19.61	$ 19.61	$ -	$ 4,073.00	$ 4,073.00	$ -	$ 19.61	$ 19.61
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Nontransient Noncommunity Water Systems (NTNCWSs) - GW												
≤500	$ -	$ 718.78	$ 718.78	$ -	$ 19.61	$ 19.61	$ -	$ 719.68	$ 719.68	$ -	$ 19.61	$ 19.61
501-1,000	$ -	$ 1,207.68	$ 1,207.68	$ -	$ 19.61	$ 19.61	$ -	$ 935.88	$ 935.88	$ -	$ 19.61	$ 19.61
1,001-4,100	$ -	$ 2,345.47	$ 2,345.47	$ -	$ 19.61	$ 19.61	$ -	$ 1,316.07	$ 1,316.07	$ -	$ 19.61	$ 19.61
4,101-33,000	$ -	$ 9,820.50	$ 9,820.50	$ -	$ 19.61	$ 19.61	$ -	$ 4,073.00	$ 4,073.00	$ -	$ 19.61	$ 19.61
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Transient Noncommunity Water Systems (TNCWSs) - SW												
≤500	$ -	$ 718.78	$ 718.78	$ -	$ 19.61	$ 19.61	$ -	$ 719.68	$ 719.68	$ -	$ 19.61	$ 19.61
501-1,000	$ -	$ 1,207.68	$ 1,207.68	$ -	$ 19.61	$ 19.61	$ -	$ 935.88	$ 935.88	$ -	$ 19.61	$ 19.61
1,001-4,100	$ -	$ 2,345.47	$ 2,345.47	$ -	$ 19.61	$ 19.61	$ -	$ 1,316.07	$ 1,316.07	$ -	$ 19.61	$ 19.61
4,101-33,000	$ -	$ 9,820.50	$ 9,820.50	$ -	$ 19.61	$ 19.61	$ -	$ 4,073.00	$ 4,073.00	$ -	$ 19.61	$ 19.61
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Transient Noncommunity Water Systems (TNCWSs) - GW												
≤500	$ -	$ 718.78	$ 718.78	$ -	$ 19.61	$ 19.61	$ -	$ 719.68	$ 719.68	$ -	$ 19.61	$ 19.61
501-1,000	$ -	$ 1,207.68	$ 1,207.68	$ -	$ 19.61	$ 19.61	$ -	$ 935.88	$ 935.88	$ -	$ 19.61	$ 19.61
1,001-4,100	$ -	$ 2,345.47	$ 2,345.47	$ -	$ 19.61	$ 19.61	$ -	$ 1,316.07	$ 1,316.07	$ -	$ 19.61	$ 19.61
4,101-33,000	$ -	$ 9,820.50	$ 9,820.50	$ -	$ 19.61	$ 19.61	$ -	$ 4,073.00	$ 4,073.00	$ -	$ 19.61	$ 19.61
33,001-96,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
96,001-500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
500,001-1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
> 1 Million	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Sources:

(A) - (L) Weighted unit costs for corrective actions based on compliance forecasts (Exhibits D.1 - D.4) and unit costs (Exhibits D.5 - D.7).