

# Appendix A

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## Exhibit A.1 Labor Rates

### PWS Labor Rates

PWS Size (population served)	Weighted Labor Rate (\$/hour)
< 100	\$ 25.10
101 - 500	\$ 27.03
501 - 1,000	\$ 28.96
1,001 - 4,100	\$ 29.73
4,101 - 33,000	\$ 36.00
33,001 - 96,000	\$ 36.39
96,001 - 500,000	\$ 41.01
500,001-1 Million	\$ 41.01
> 1 Million	\$ 41.01

Note: Labor rates for each size category are assumed to be the same regardless of system type (CWS, NTCWS, and TNCWS).

Source: Final RTCR T&C Document<sup>1</sup>.

<sup>1</sup> US Environmental Protection Agency. 2010. Technology and Cost Document for

### State Labor Rates

#### Cost Assumptions: Labor Rate Components

Cost Element	Base Hourly Labor Cost	ECI in Year of Data	ECI 2007	2007 Labor Cost
	A	B	C	D=A*(C/B)
State Employee - Administrative	\$ 33.60	92.7	108.2	\$ 39.22
State Employee - Field Engineer	\$ 37.34	92.7	108.2	\$ 43.58

Sources:

(A) Economic Analysis for the Final Ground Water Rule (USEPA, 2006. EPA-815-R-06.014).

(B) ECI for state employee from the Bureau of Labor Statistics (BLS) (2008) from 2003 (State and local government; Total compensation; All workers, not seasonally adjusted). [www.bls.gov](http://www.bls.gov).

(C) ECI for state employee from BLS (2008) from 2007 (State and local government; Total compensation; All workers, not seasonally adjusted). [www.bls.gov](http://www.bls.gov).

**Exhibit A.2 PWS Unit Burden and Cost Estimates for Implementation Activities (RTCR)**

PWS Size (Population Served)	Labor Cost (per hour)	Read and Understand Rule (hours/system)	Planning and Mobilization (hours/system)	Unit Burden	Unit Cost
	A	B	C	B + C	D=A*(B+C)
<b>Community Water Systems (CWSs) - SW</b>					
≤100	\$ 25.10	4.0	8.0	12.0	\$ 301.20
101-500	\$ 27.03	4.0	8.0	12.0	\$ 324.36
501-1,000	\$ 28.96	4.0	8.0	12.0	\$ 347.52
1,001-4,100	\$ 29.73	4.0	8.0	12.0	\$ 356.76
4,101-33,000	\$ 36.00	4.0	8.0	12.0	\$ 432.00
33,001-96,000	\$ 36.39	4.0	8.0	12.0	\$ 436.68
96,001-500,000	\$ 41.01	4.0	8.0	12.0	\$ 492.12
500,001-1 Million	\$ 41.01	4.0	8.0	12.0	\$ 492.12
> 1 Million	\$ 41.01	4.0	8.0	12.0	\$ 492.12
<b>Community Water Systems (CWSs) - GW</b>					
≤100	\$ 25.10	4.0	8.0	12.0	\$ 301.20
101-500	\$ 27.03	4.0	8.0	12.0	\$ 324.36
501-1,000	\$ 28.96	4.0	8.0	12.0	\$ 347.52
1,001-4,100	\$ 29.73	4.0	8.0	12.0	\$ 356.76
4,101-33,000	\$ 36.00	4.0	8.0	12.0	\$ 432.00
33,001-96,000	\$ 36.39	4.0	8.0	12.0	\$ 436.68
96,001-500,000	\$ 41.01	4.0	8.0	12.0	\$ 492.12
500,001-1 Million	\$ 41.01	4.0	8.0	12.0	\$ 492.12
> 1 Million	\$ 41.01	4.0	8.0	12.0	\$ 492.12
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - SW</b>					
≤100	\$ 25.10	4.0	8.0	12.0	\$ 301.20
101-500	\$ 27.03	4.0	8.0	12.0	\$ 324.36
501-1,000	\$ 28.96	4.0	8.0	12.0	\$ 347.52
1,001-4,100	\$ 29.73	4.0	8.0	12.0	\$ 356.76
4,101-33,000	\$ 36.00	4.0	8.0	12.0	\$ 432.00
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<b>Nontransient Noncommunity Water Systems (NTNCWSs) - GW</b>					
≤100	\$ 25.10	4.0	8.0	12.0	\$ 301.20
101-500	\$ 27.03	4.0	8.0	12.0	\$ 324.36
501-1,000	\$ 28.96	4.0	8.0	12.0	\$ 347.52
1,001-4,100	\$ 29.73	4.0	8.0	12.0	\$ 356.76
4,101-33,000	\$ 36.00	4.0	8.0	12.0	\$ 432.00
33,001-96,000	\$ 36.39	4.0	8.0	12.0	\$ 436.68
96,001-500,000	\$ 41.01	4.0	8.0	12.0	\$ 492.12
500,001-1 Million	\$ 41.01	4.0	8.0	12.0	\$ 492.12
> 1 Million	\$ 41.01	4.0	8.0	12.0	\$ 492.12
<b>Transient Noncommunity Water Systems (TNCWSs) - SW</b>					
≤100	\$ 25.10	4.0	8.0	12.0	\$ 301.20
101-500	\$ 27.03	4.0	8.0	12.0	\$ 324.36
501-1,000	\$ 28.96	4.0	8.0	12.0	\$ 347.52
1,001-4,100	\$ 29.73	4.0	8.0	12.0	\$ 356.76
4,101-33,000	\$ 36.00	4.0	8.0	12.0	\$ 432.00
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≤100	\$ 25.10	4.0	8.0	12.0	\$ 301.20
101-500	\$ 27.03	4.0	8.0	12.0	\$ 324.36
501-1,000	\$ 28.96	4.0	8.0	12.0	\$ 347.52
1,001-4,100	\$ 29.73	4.0	8.0	12.0	\$ 356.76
4,101-33,000	\$ 36.00	4.0	8.0	12.0	\$ 432.00
33,001-96,000	\$ 36.39	4.0	8.0	12.0	\$ 436.68
96,001-500,000	\$ 41.01	4.0	8.0	12.0	\$ 492.12
500,001-1 Million	\$ 41.01	4.0	8.0	12.0	\$ 492.12
> 1 Million	\$ 41.01	4.0	8.0	12.0	\$ 492.12

Sources:

- (A) Labor rates for PWSs from Exhibit A.1.
- (B), (C) EPA estimates based on best professional judgment.

**Exhibit A.3 PWS Unit Burden and Cost Estimates for Implementation Activities (1989 TCR)**

PWS Size (Population Served)	Labor Cost (per hour)	Read and Understand Rule (hours/system)	Planning and Mobilization (hours/system)	Unit Burden	Unit Cost
	A	B	C	B + C	D=A*(B+C)
<b>Community Water Systems (CWSs) - SW</b>					
≤100	\$ 25.10	-	-	-	\$ -
101-500	\$ 27.03	-	-	-	\$ -
501-1,000	\$ 28.96	-	-	-	\$ -
1,001-4,100	\$ 29.73	-	-	-	\$ -
4,101-33,000	\$ 36.00	-	-	-	\$ -
33,001-96,000	\$ 36.39	-	-	-	\$ -
96,001-500,000	\$ 41.01	-	-	-	\$ -
500,001-1 Million	\$ 41.01	-	-	-	\$ -
> 1 Million	\$ 41.01	-	-	-	\$ -
<b>Community Water Systems (CWSs) - GW</b>					
≤100	\$ 25.10	-	-	-	\$ -
101-500	\$ 27.03	-	-	-	\$ -
501-1,000	\$ 28.96	-	-	-	\$ -
1,001-4,100	\$ 29.73	-	-	-	\$ -
4,101-33,000	\$ 36.00	-	-	-	\$ -
33,001-96,000	\$ 36.39	-	-	-	\$ -
96,001-500,000	\$ 41.01	-	-	-	\$ -
500,001-1 Million	\$ 41.01	-	-	-	\$ -
> 1 Million	\$ 41.01	-	-	-	\$ -
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - SW</b>					
≤100	\$ 25.10	-	-	-	\$ -
101-500	\$ 27.03	-	-	-	\$ -
501-1,000	\$ 28.96	-	-	-	\$ -
1,001-4,100	\$ 29.73	-	-	-	\$ -
4,101-33,000	\$ 36.00	-	-	-	\$ -
33,001-96,000	\$ 36.39	-	-	-	\$ -
96,001-500,000	\$ 41.01	-	-	-	\$ -
500,001-1 Million	\$ 41.01	-	-	-	\$ -
> 1 Million	\$ 41.01	-	-	-	\$ -
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - GW</b>					
≤100	\$ 25.10	-	-	-	\$ -
101-500	\$ 27.03	-	-	-	\$ -
501-1,000	\$ 28.96	-	-	-	\$ -
1,001-4,100	\$ 29.73	-	-	-	\$ -
4,101-33,000	\$ 36.00	-	-	-	\$ -
33,001-96,000	\$ 36.39	-	-	-	\$ -
96,001-500,000	\$ 41.01	-	-	-	\$ -
500,001-1 Million	\$ 41.01	-	-	-	\$ -
> 1 Million	\$ 41.01	-	-	-	\$ -
<b>Transient Noncommunity Water Systems (TNCWSs) - SW</b>					
≤100	\$ 25.10	-	-	-	\$ -
101-500	\$ 27.03	-	-	-	\$ -
501-1,000	\$ 28.96	-	-	-	\$ -
1,001-4,100	\$ 29.73	-	-	-	\$ -
4,101-33,000	\$ 36.00	-	-	-	\$ -
33,001-96,000	\$ 36.39	-	-	-	\$ -
96,001-500,000	\$ 41.01	-	-	-	\$ -
500,001-1 Million	\$ 41.01	-	-	-	\$ -
> 1 Million	\$ 41.01	-	-	-	\$ -
<b>Transient Noncommunity Water Systems (TNCWSs) - GW</b>					
≤100	\$ 25.10	-	-	-	\$ -
101-500	\$ 27.03	-	-	-	\$ -
501-1,000	\$ 28.96	-	-	-	\$ -
1,001-4,100	\$ 29.73	-	-	-	\$ -
4,101-33,000	\$ 36.00	-	-	-	\$ -
33,001-96,000	\$ 36.39	-	-	-	\$ -
96,001-500,000	\$ 41.01	-	-	-	\$ -
500,001-1 Million	\$ 41.01	-	-	-	\$ -
> 1 Million	\$ 41.01	-	-	-	\$ -

Notes:

(B), (C) Under the 1989 TCR, systems will not incur additional implementation burden to implement the final RTCR.

Sources:

(A) Labor rates for PWSs from Exhibit A.1.

**Exhibit A.4 State Unit Burden and Cost Estimates for Implementation Activities & Annual Administration (RTCR)**

**State Burden and Cost Estimates for Implementation Activities (RTCR)**

Compliance Activity	Labor Cost (per hour)	Hours	FTEs	Cost
	A	B	C=B/2,080	D=A*B
Read and Understand Rule	\$ 39.22	15	0.01	\$ 588
Regulation Adoption and Program Development	\$ 39.22	260	0.13	\$ 10,197
Initial Laboratory Certification	\$ 39.22	-	-	\$ -
Modify Data Management Systems	\$ 39.22	520	0.25	\$ 20,393
PWS Training and Technical Assistance	\$ 39.22	520	0.25	\$ 20,393
Staff Training	\$ 39.22	130	0.06	\$ 5,098
<b>Per State Total</b>		1,445		\$ 56,670
<b>National Totals (57 States/Primacy Agencies)</b>		82,365		\$ 3,230,201

Notes: Detail may not add due to independent rounding.

Sources: (A) Labor rate for state employee from Exhibit A.1

(B) Labor hours for start-up activities are based on GWR estimates. Because the final RTCR is a revision of the 1989 TCR, one fourth of the State unit start up burden from GWR is used in the final RTCR.

(C) Full-time equivalent (FTE) assumes individual working 40 hours per week, 52 weeks per year.

**State Burden and Cost Estimates for Annual Administrative Activities (RTCR)**

**Annual Administrative Activities**

Compliance Activity	Labor Cost (per hour)	Hours	FTEs	Cost
	A	B	C=B/2,080	D=A*B
Coordination with EPA	\$ 39.22	-	-	\$ -
Lab Certification	\$ 39.22	-	-	\$ -
Ongoing Technical Assistance	\$ 39.22	-	-	\$ -
SDWIS Reporting	\$ 39.22	-	-	\$ -
Recordkeeping	\$ 39.22	-	-	\$ -
Staff Training	\$ 39.22	-	-	\$ -
<b>Per State Total</b>		-		\$ -
<b>National Totals (57 States/Primacy Agencies)</b>		-		\$ -

Notes: Detail may not add due to independent rounding.

Sources: (A) Labor rate for state employee from Exhibit A.1.

(B) Under the RTCR, states will not incur additional annual administration burden for ongoing implementation of the final RTCR.

(C) Full-time equivalent (FTE) assumes individual working 40 hours per week, 52 weeks per year.

**Exhibit A.5 State Unit Burden and Cost Estimates for Implementation Activities & Annual Administration (1989 TCR)**

**State Burden and Cost Estimates for Implementation Activities (1989 TCR)**

Compliance Activity	Labor Cost (per hour)	Hours	FTEs	Cost
	A	B	C=B/2,080	D=A*B
Read and Understand Rule	\$ 39.22	-	-	\$ -
Regulation Adoption and Program Development	\$ 39.22	-	-	\$ -
Initial Laboratory Certification	\$ 39.22	-	-	\$ -
Modify Data Management Systems	\$ 39.22	-	-	\$ -
PWS Training and Technical Assistance	\$ 39.22	-	-	\$ -
Staff Training	\$ 39.22	-	-	\$ -
<b>Per State Total</b>		-		\$ -
<b>National Totals (57 States/Primacy Agencies)</b>		-		\$ -

Notes: Detail may not add due to independent rounding.

Sources: (A) Labor rate for state employee from Exhibit A.1.

(B) Under the 1989 TCR, states will not incur additional implementation burden to implement the final RTCR.

(C) Full-time equivalent (FTE) assumes individual working 40 hours per week, 52 weeks per year.

**State Burden and Cost Estimates for  
Annual Administrative Activities (1989 TCR)**

**Annual Administrative Activities**

Compliance Activity	Labor Cost (per hour)	Hours	FTEs	Cost
	A	B	C=B/2,080	D=A*B
Coordination with EPA	\$ 39.22	-	-	\$ -
Lab Certification	\$ 39.22	-	-	\$ -
Ongoing Technical Assistance	\$ 39.22	-	-	\$ -
SDWIS Reporting	\$ 39.22	-	-	\$ -
Recordkeeping	\$ 39.22	-	-	\$ -
Staff Training	\$ 39.22	-	-	\$ -
<b>Per State Total</b>		-		\$ -
<b>National Totals (57 States/Primacy Agencies)</b>		-		\$ -

Notes: Detail may not add due to independent rounding.

Sources: (A) Labor rate for state employee from Exhibit A.1.

(B) Under the 1989 TCR, states will not incur additional annual administration burden for ongoing implementation of the final RTCR.

(C) Full-time equivalent (FTE) assumes individual working 40 hours per week, 52 weeks per year.

**Exhibit A.6 PWS Unit Burden and Cost Estimates to Revise  
Sample Siting Plan (RTCR)**

PWS Size (Population Served)	Labor Cost (per hour)	Revise Sample Siting Plan (hours/system)	Unit Cost
	A	B	C=A*B
<b>Community Water Systems (CWSs) - SW</b>			
≤100	\$ 25.10	2.0	\$ 50.20
101-500	\$ 27.03	2.0	\$ 54.06
501-1,000	\$ 28.96	4.0	\$ 115.84
1,001-4,100	\$ 29.73	4.0	\$ 118.92
4,101-33,000	\$ 36.00	6.0	\$ 216.00
33,001-96,000	\$ 36.39	8.0	\$ 291.12
96,001-500,000	\$ 41.01	8.0	\$ 328.08
500,001-1 Million	\$ 41.01	8.0	\$ 328.08
> 1 Million	\$ 41.01	8.0	\$ 328.08
<b>Community Water Systems (CWSs) - GW</b>			
≤100	\$ 25.10	2.0	\$ 50.20
101-500	\$ 27.03	2.0	\$ 54.06
501-1,000	\$ 28.96	4.0	\$ 115.84
1,001-4,100	\$ 29.73	4.0	\$ 118.92
4,101-33,000	\$ 36.00	6.0	\$ 216.00
33,001-96,000	\$ 36.39	8.0	\$ 291.12
96,001-500,000	\$ 41.01	8.0	\$ 328.08
500,001-1 Million	\$ 41.01	8.0	\$ 328.08
> 1 Million	\$ 41.01	8.0	\$ 328.08
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - SW</b>			
≤100	\$ 25.10	2.0	\$ 50.20
101-500	\$ 27.03	2.0	\$ 54.06
501-1,000	\$ 28.96	4.0	\$ 115.84
1,001-4,100	\$ 29.73	4.0	\$ 118.92
4,101-33,000	\$ 36.00	6.0	\$ 216.00
33,001-96,000	\$ 36.39	8.0	\$ 291.12
96,001-500,000	\$ 41.01	8.0	\$ 328.08
500,001-1 Million	\$ 41.01	8.0	\$ 328.08
> 1 Million	\$ 41.01	8.0	\$ 328.08
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - GW</b>			
≤100	\$ 25.10	2.0	\$ 50.20
101-500	\$ 27.03	2.0	\$ 54.06
501-1,000	\$ 28.96	4.0	\$ 115.84
1,001-4,100	\$ 29.73	4.0	\$ 118.92
4,101-33,000	\$ 36.00	6.0	\$ 216.00
33,001-96,000	\$ 36.39	8.0	\$ 291.12
96,001-500,000	\$ 41.01	8.0	\$ 328.08
500,001-1 Million	\$ 41.01	8.0	\$ 328.08
> 1 Million	\$ 41.01	8.0	\$ 328.08
<b>Transient Noncommunity Water Systems (TNCWSs) - SW</b>			
≤100	\$ 25.10	2.0	\$ 50.20
101-500	\$ 27.03	2.0	\$ 54.06
501-1,000	\$ 28.96	4.0	\$ 115.84
1,001-4,100	\$ 29.73	4.0	\$ 118.92
4,101-33,000	\$ 36.00	6.0	\$ 216.00
33,001-96,000	\$ 36.39	8.0	\$ 291.12
96,001-500,000	\$ 41.01	8.0	\$ 328.08
500,001-1 Million	\$ 41.01	8.0	\$ 328.08
> 1 Million	\$ 41.01	8.0	\$ 328.08
<b>Transient Noncommunity Water Systems (TNCWSs) - GW</b>			
≤100	\$ 25.10	2.0	\$ 50.20
101-500	\$ 27.03	2.0	\$ 54.06
501-1,000	\$ 28.96	4.0	\$ 115.84
1,001-4,100	\$ 29.73	4.0	\$ 118.92
4,101-33,000	\$ 36.00	6.0	\$ 216.00
33,001-96,000	\$ 36.39	8.0	\$ 291.12
96,001-500,000	\$ 41.01	8.0	\$ 328.08
500,001-1 Million	\$ 41.01	8.0	\$ 328.08
> 1 Million	\$ 41.01	8.0	\$ 328.08

Sources:

(A) Labor rates for PWSs from Exhibit A.1.

(B) Labor hours for revising sample siting plan reflect EPA estimate.



**Exhibit A.7 PWS Unit Burden and Cost Estimates to Revise  
Sample Siting Plan (1989 TCR)**

PWS Size (Population Served)	Labor Cost (per hour)	Revise Sample Siting Plan (hours/system)	Unit Cost
	A	B	C=A*B
<b>Community Water Systems (CWSs) - SW</b>			
≤100	\$ 25.10	-	\$ -
101-500	\$ 27.03	-	\$ -
501-1,000	\$ 28.96	-	\$ -
1,001-4,100	\$ 29.73	-	\$ -
4,101-33,000	\$ 36.00	-	\$ -
33,001-96,000	\$ 36.39	-	\$ -
96,001-500,000	\$ 41.01	-	\$ -
500,001-1 Million	\$ 41.01	-	\$ -
> 1 Million	\$ 41.01	-	\$ -
<b>Community Water Systems (CWSs) - GW</b>			
≤100	\$ 25.10	-	\$ -
101-500	\$ 27.03	-	\$ -
501-1,000	\$ 28.96	-	\$ -
1,001-4,100	\$ 29.73	-	\$ -
4,101-33,000	\$ 36.00	-	\$ -
33,001-96,000	\$ 36.39	-	\$ -
96,001-500,000	\$ 41.01	-	\$ -
500,001-1 Million	\$ 41.01	-	\$ -
> 1 Million	\$ 41.01	-	\$ -
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - SW</b>			
≤100	\$ 25.10	-	\$ -
101-500	\$ 27.03	-	\$ -
501-1,000	\$ 28.96	-	\$ -
1,001-4,100	\$ 29.73	-	\$ -
4,101-33,000	\$ 36.00	-	\$ -
33,001-96,000	\$ 36.39	-	\$ -
96,001-500,000	\$ 41.01	-	\$ -
500,001-1 Million	\$ 41.01	-	\$ -
> 1 Million	\$ 41.01	-	\$ -
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - GW</b>			
≤100	\$ 25.10	-	\$ -
101-500	\$ 27.03	-	\$ -
501-1,000	\$ 28.96	-	\$ -
1,001-4,100	\$ 29.73	-	\$ -
4,101-33,000	\$ 36.00	-	\$ -
33,001-96,000	\$ 36.39	-	\$ -
96,001-500,000	\$ 41.01	-	\$ -
500,001-1 Million	\$ 41.01	-	\$ -
> 1 Million	\$ 41.01	-	\$ -
<b>Transient Noncommunity Water Systems (TNCWSs) - SW</b>			
≤100	\$ 25.10	-	\$ -
101-500	\$ 27.03	-	\$ -
501-1,000	\$ 28.96	-	\$ -
1,001-4,100	\$ 29.73	-	\$ -
4,101-33,000	\$ 36.00	-	\$ -
33,001-96,000	\$ 36.39	-	\$ -
96,001-500,000	\$ 41.01	-	\$ -
500,001-1 Million	\$ 41.01	-	\$ -
> 1 Million	\$ 41.01	-	\$ -
<b>Transient Noncommunity Water Systems (TNCWSs) - GW</b>			
≤100	\$ 25.10	-	\$ -
101-500	\$ 27.03	-	\$ -
501-1,000	\$ 28.96	-	\$ -
1,001-4,100	\$ 29.73	-	\$ -
4,101-33,000	\$ 36.00	-	\$ -
33,001-96,000	\$ 36.39	-	\$ -
96,001-500,000	\$ 41.01	-	\$ -
500,001-1 Million	\$ 41.01	-	\$ -
> 1 Million	\$ 41.01	-	\$ -

Notes:

(B) Under the 1989 TCR, systems are not required to revise their sample siting plans.

Sources:

(A) Labor rates for PWSs from Exhibit A.1.

**Exhibit A.8 State Unit Burden and Cost Estimates to Revise  
Sample Siting Plan (RTCR)**

PWS Size (Population Served)	Labor Cost (per hour)	Review and Revise Sample Siting Plan (hours/system)	Unit Cost
	A	B	C=A*B
<b>Community Water Systems (CWSs) - SW</b>			
≤100	\$ 39.22	1.0	\$ 39.22
101-500	\$ 39.22	1.0	\$ 39.22
501-1,000	\$ 39.22	2.0	\$ 78.44
1,001-4,100	\$ 39.22	2.0	\$ 78.44
4,101-33,000	\$ 39.22	3.0	\$ 117.65
33,001-96,000	\$ 39.22	4.0	\$ 156.87
96,001-500,000	\$ 39.22	4.0	\$ 156.87
500,001-1 Million	\$ 39.22	4.0	\$ 156.87
> 1 Million	\$ 39.22	4.0	\$ 156.87
<b>Community Water Systems (CWSs) - GW</b>			
≤100	\$ 39.22	1.0	\$ 39.22
101-500	\$ 39.22	1.0	\$ 39.22
501-1,000	\$ 39.22	2.0	\$ 78.44
1,001-4,100	\$ 39.22	2.0	\$ 78.44
4,101-33,000	\$ 39.22	3.0	\$ 117.65
33,001-96,000	\$ 39.22	4.0	\$ 156.87
96,001-500,000	\$ 39.22	4.0	\$ 156.87
500,001-1 Million	\$ 39.22	4.0	\$ 156.87
> 1 Million	\$ 39.22	4.0	\$ 156.87
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - SW</b>			
≤100	\$ 39.22	1.0	\$ 39.22
101-500	\$ 39.22	1.0	\$ 39.22
501-1,000	\$ 39.22	2.0	\$ 78.44
1,001-4,100	\$ 39.22	2.0	\$ 78.44
4,101-33,000	\$ 39.22	3.0	\$ 117.65
33,001-96,000	\$ 39.22	4.0	\$ 156.87
96,001-500,000	\$ 39.22	4.0	\$ 156.87
500,001-1 Million	\$ 39.22	4.0	\$ 156.87
> 1 Million	\$ 39.22	4.0	\$ 156.87
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - GW</b>			
≤100	\$ 39.22	1.0	\$ 39.22
101-500	\$ 39.22	1.0	\$ 39.22
501-1,000	\$ 39.22	2.0	\$ 78.44
1,001-4,100	\$ 39.22	2.0	\$ 78.44
4,101-33,000	\$ 39.22	3.0	\$ 117.65
33,001-96,000	\$ 39.22	4.0	\$ 156.87
96,001-500,000	\$ 39.22	4.0	\$ 156.87
500,001-1 Million	\$ 39.22	4.0	\$ 156.87
> 1 Million	\$ 39.22	4.0	\$ 156.87
<b>Transient Noncommunity Water Systems (TNCWSs) - SW</b>			
≤100	\$ 39.22	1.0	\$ 39.22
101-500	\$ 39.22	1.0	\$ 39.22
501-1,000	\$ 39.22	2.0	\$ 78.44
1,001-4,100	\$ 39.22	2.0	\$ 78.44
4,101-33,000	\$ 39.22	3.0	\$ 117.65
33,001-96,000	\$ 39.22	4.0	\$ 156.87
96,001-500,000	\$ 39.22	4.0	\$ 156.87
500,001-1 Million	\$ 39.22	4.0	\$ 156.87
> 1 Million	\$ 39.22	4.0	\$ 156.87
<b>Transient Noncommunity Water Systems (TNCWSs) - GW</b>			
≤100	\$ 39.22	1.0	\$ 39.22
101-500	\$ 39.22	1.0	\$ 39.22
501-1,000	\$ 39.22	2.0	\$ 78.44
1,001-4,100	\$ 39.22	2.0	\$ 78.44
4,101-33,000	\$ 39.22	3.0	\$ 117.65
33,001-96,000	\$ 39.22	4.0	\$ 156.87
96,001-500,000	\$ 39.22	4.0	\$ 156.87
500,001-1 Million	\$ 39.22	4.0	\$ 156.87
> 1 Million	\$ 39.22	4.0	\$ 156.87

Sources:

(A) Labor rates for state employee from Exhibit A.1.

(B) Labor hours for reviewing and revising sample siting plan reflect EPA estimate.

**Exhibit A.9 State Unit Burden and Cost Estimates to Revise  
Sample Siting Plan (1989 TCR)**

PWS Size (Population Served)	Labor Cost (per hour)	Review and Revise Sample Siting Plan (hours/system)	Unit Cost
	A	B	C=A*B
<b>Community Water Systems (CWSs) - SW</b>			
≤100	\$ 39.22	-	\$ -
101-500	\$ 39.22	-	\$ -
501-1,000	\$ 39.22	-	\$ -
1,001-4,100	\$ 39.22	-	\$ -
4,101-33,000	\$ 39.22	-	\$ -
33,001-96,000	\$ 39.22	-	\$ -
96,001-500,000	\$ 39.22	-	\$ -
500,001-1 Million	\$ 39.22	-	\$ -
> 1 Million	\$ 39.22	-	\$ -
<b>Community Water Systems (CWSs) - GW</b>			
≤100	\$ 39.22	-	\$ -
101-500	\$ 39.22	-	\$ -
501-1,000	\$ 39.22	-	\$ -
1,001-4,100	\$ 39.22	-	\$ -
4,101-33,000	\$ 39.22	-	\$ -
33,001-96,000	\$ 39.22	-	\$ -
96,001-500,000	\$ 39.22	-	\$ -
500,001-1 Million	\$ 39.22	-	\$ -
> 1 Million	\$ 39.22	-	\$ -
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - SW</b>			
≤100	\$ 39.22	-	\$ -
101-500	\$ 39.22	-	\$ -
501-1,000	\$ 39.22	-	\$ -
1,001-4,100	\$ 39.22	-	\$ -
4,101-33,000	\$ 39.22	-	\$ -
33,001-96,000	\$ 39.22	-	\$ -
96,001-500,000	\$ 39.22	-	\$ -
500,001-1 Million	\$ 39.22	-	\$ -
> 1 Million	\$ 39.22	-	\$ -
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - GW</b>			
≤100	\$ 39.22	-	\$ -
101-500	\$ 39.22	-	\$ -
501-1,000	\$ 39.22	-	\$ -
1,001-4,100	\$ 39.22	-	\$ -
4,101-33,000	\$ 39.22	-	\$ -
33,001-96,000	\$ 39.22	-	\$ -
96,001-500,000	\$ 39.22	-	\$ -
500,001-1 Million	\$ 39.22	-	\$ -
> 1 Million	\$ 39.22	-	\$ -
<b>Transient Noncommunity Water Systems (TNCWSs) - SW</b>			
≤100	\$ 39.22	-	\$ -
101-500	\$ 39.22	-	\$ -
501-1,000	\$ 39.22	-	\$ -
1,001-4,100	\$ 39.22	-	\$ -
4,101-33,000	\$ 39.22	-	\$ -
33,001-96,000	\$ 39.22	-	\$ -
96,001-500,000	\$ 39.22	-	\$ -
500,001-1 Million	\$ 39.22	-	\$ -
> 1 Million	\$ 39.22	-	\$ -
<b>Transient Noncommunity Water Systems (TNCWSs) - GW</b>			
≤100	\$ 39.22	-	\$ -
101-500	\$ 39.22	-	\$ -
501-1,000	\$ 39.22	-	\$ -
1,001-4,100	\$ 39.22	-	\$ -
4,101-33,000	\$ 39.22	-	\$ -
33,001-96,000	\$ 39.22	-	\$ -
96,001-500,000	\$ 39.22	-	\$ -
500,001-1 Million	\$ 39.22	-	\$ -
> 1 Million	\$ 39.22	-	\$ -

Notes:

(B) Reviewing and revising sample siting plans is not required under the 1989 TCR.

Sources:

(A) Labor rates for state employee from Exhibit A.1.

Exhibit A.10 Lab Costs by Size Category (RTCR)

System Size (Population Served)	Routine Monitoring			Routine with Additional Monitoring (Yrs 4-25; SW systems, GW >1,000)			Routine with Additional Monitoring Yrs 4-8 (GW <1,000)			Routine with Additional Monitoring Yrs 9-25 (GW <1,000)			Repeat Monitoring		
	Unit Burden	Unit Cost (Labor)	Unit Cost (O&M)	Unit Burden	Unit Cost (Labor)	Unit Cost (O&M)	Unit Burden	Unit Cost (Labor)	Unit Cost (O&M)	Unit Burden	Unit Cost (Labor)	Unit Cost (O&M)	Unit Burden	Unit Cost (Labor)	Unit Cost (O&M)
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
<b>Community Water Systems (CWSs) - SW</b>															
≤100	0.50	\$ 12.55	\$ 37.99	0.50	\$ 12.55	\$ 37.99							0.50	\$ 12.55	\$ 27.46
101-500	0.50	\$ 13.52	\$ 38.04	0.50	\$ 13.52	\$ 38.04							0.50	\$ 13.52	\$ 27.47
501-1,000	0.75	\$ 21.72	\$ 38.09	0.75	\$ 21.72	\$ 38.09							0.75	\$ 21.72	\$ 27.49
1,001-4,100	0.75	\$ 22.30	\$ 27.49	0.75	\$ 22.30	\$ 27.49							0.75	\$ 22.30	\$ 27.49
4,101-33,000	0.75	\$ 27.00	\$ 25.40	0.75	\$ 27.00	\$ 25.40							0.75	\$ 27.00	\$ 25.40
33,001-96,000	1.00	\$ 36.39	\$ 17.75	1.00	\$ 36.39	\$ 17.75							1.00	\$ 36.39	\$ 17.75
96,001-500,000	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62							1.45	\$ 59.46	\$ 11.62
500,001-1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62							1.45	\$ 59.46	\$ 11.62
> 1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62							1.45	\$ 59.46	\$ 11.62
<b>Community Water Systems (CWSs) - GW</b>															
≤100	0.50	\$ 12.55	\$ 37.99	0.50	\$ 12.55	\$ 37.99	0.50	\$ 12.55	\$ 37.99	0.50	\$ 12.55	\$ 37.99	0.50	\$ 12.55	\$ 27.46
101-500	0.50	\$ 13.52	\$ 38.04	0.50	\$ 13.52	\$ 38.04	0.50	\$ 13.52	\$ 38.04	0.50	\$ 13.52	\$ 38.04	0.50	\$ 13.52	\$ 27.47
501-1,000	0.75	\$ 21.72	\$ 38.09	0.75	\$ 21.72	\$ 38.09	0.75	\$ 21.72	\$ 38.09	0.75	\$ 21.72	\$ 38.09	0.75	\$ 21.72	\$ 27.49
1,001-4,100	0.75	\$ 22.30	\$ 30.15	0.75	\$ 22.30	\$ 30.15							0.75	\$ 22.30	\$ 27.49
4,101-33,000	0.75	\$ 27.00	\$ 25.40	0.75	\$ 27.00	\$ 25.40							0.75	\$ 27.00	\$ 25.40
33,001-96,000	1.00	\$ 36.39	\$ 17.75	1.00	\$ 36.39	\$ 17.75							1.00	\$ 36.39	\$ 17.75
96,001-500,000	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62							1.45	\$ 59.46	\$ 11.62
500,001-1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62							1.45	\$ 59.46	\$ 11.62
> 1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62							1.45	\$ 59.46	\$ 11.62
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - SW</b>															
≤100	0.50	\$ 12.55	\$ 37.99	0.50	\$ 12.55	\$ 37.99							0.50	\$ 12.55	\$ 27.46
101-500	0.50	\$ 13.52	\$ 38.04	0.50	\$ 13.52	\$ 38.04							0.50	\$ 13.52	\$ 27.47
501-1,000	0.75	\$ 21.72	\$ 38.09	0.75	\$ 21.72	\$ 38.09							0.75	\$ 21.72	\$ 27.49
1,001-4,100	0.75	\$ 22.30	\$ 30.15	0.75	\$ 22.30	\$ 30.15							0.75	\$ 22.30	\$ 27.49
4,101-33,000	0.75	\$ 27.00	\$ 25.40	0.75	\$ 27.00	\$ 25.40							0.75	\$ 27.00	\$ 25.40
33,001-96,000	1.00	\$ 36.39	\$ 17.75	1.00	\$ 36.39	\$ 17.75							1.00	\$ 36.39	\$ 17.75
96,001-500,000	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62							1.45	\$ 59.46	\$ 11.62
500,001-1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62							1.45	\$ 59.46	\$ 11.62
> 1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62							1.45	\$ 59.46	\$ 11.62
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - GW</b>															
≤100	0.50	\$ 12.55	\$ 37.99	0.50	\$ 12.55	\$ 37.99	0.50	\$ 12.55	\$ 27.46	0.50	\$ 12.55	\$ 27.46	0.50	\$ 12.55	\$ 27.46
101-500	0.50	\$ 13.52	\$ 38.04	0.50	\$ 13.52	\$ 38.04	0.50	\$ 13.52	\$ 27.47	0.50	\$ 13.52	\$ 27.47	0.50	\$ 13.52	\$ 27.47
501-1,000	0.75	\$ 21.72	\$ 38.09	0.75	\$ 21.72	\$ 38.09	0.75	\$ 21.72	\$ 27.49	0.75	\$ 21.72	\$ 27.49	0.75	\$ 21.72	\$ 27.49
1,001-4,100	0.75	\$ 22.30	\$ 30.15	0.75	\$ 22.30	\$ 30.15							0.75	\$ 22.30	\$ 27.49
4,101-33,000	0.75	\$ 27.00	\$ 25.40	0.75	\$ 27.00	\$ 25.40							0.75	\$ 27.00	\$ 25.40
33,001-96,000	1.00	\$ 36.39	\$ 17.75	1.00	\$ 36.39	\$ 17.75							1.00	\$ 36.39	\$ 17.75
96,001-500,000	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62							1.45	\$ 59.46	\$ 11.62
500,001-1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62							1.45	\$ 59.46	\$ 11.62
> 1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62							1.45	\$ 59.46	\$ 11.62
<b>Transient Noncommunity Water Systems (TNCWSs) - SW</b>															
≤100	0.50	\$ 12.55	\$ 37.99	0.50	\$ 12.55	\$ 37.99							0.50	\$ 12.55	\$ 27.46
101-500	0.50	\$ 13.52	\$ 38.04	0.50	\$ 13.52	\$ 38.04							0.50	\$ 13.52	\$ 27.47
501-1,000	0.75	\$ 21.72	\$ 38.09	0.75	\$ 21.72	\$ 38.09							0.75	\$ 21.72	\$ 27.49
1,001-4,100	0.75	\$ 22.30	\$ 30.15	0.75	\$ 22.30	\$ 30.15							0.75	\$ 22.30	\$ 27.49
4,101-33,000	0.75	\$ 27.00	\$ 25.40	0.75	\$ 27.00	\$ 25.40							0.75	\$ 27.00	\$ 25.40
33,001-96,000	1.00	\$ 36.39	\$ 17.75	1.00	\$ 36.39	\$ 17.75							1.00	\$ 36.39	\$ 17.75
96,001-500,000	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62							1.45	\$ 59.46	\$ 11.62
500,001-1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62							1.45	\$ 59.46	\$ 11.62
> 1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62							1.45	\$ 59.46	\$ 11.62
<b>Transient Noncommunity Water Systems (TNCWSs) - GW</b>															
≤100	0.50	\$ 12.55	\$ 37.99	0.50	\$ 12.55	\$ 37.99	0.50	\$ 12.55	\$ 27.46	0.50	\$ 12.55	\$ 27.46	0.50	\$ 12.55	\$ 27.46
101-500	0.50	\$ 13.52	\$ 38.04	0.50	\$ 13.52	\$ 38.04	0.50	\$ 13.52	\$ 27.47	0.50	\$ 13.52	\$ 27.47	0.50	\$ 13.52	\$ 27.47
501-1,000	0.75	\$ 21.72	\$ 38.09	0.75	\$ 21.72	\$ 38.09	0.75	\$ 21.72	\$ 27.49	0.75	\$ 21.72	\$ 27.49	0.75	\$ 21.72	\$ 27.49
1,001-4,100	0.75	\$ 22.30	\$ 30.15	0.75	\$ 22.30	\$ 30.15							0.75	\$ 22.30	\$ 27.49
4,101-33,000	0.75	\$ 27.00	\$ 25.40	0.75	\$ 27.00	\$ 25.40							0.75	\$ 27.00	\$ 25.40
33,001-96,000	1.00	\$ 36.39	\$ 17.75	1.00	\$ 36.39	\$ 17.75							1.00	\$ 36.39	\$ 17.75
96,001-500,000	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62							1.45	\$ 59.46	\$ 11.62
500,001-1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62							1.45	\$ 59.46	\$ 11.62
> 1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62							1.45	\$ 59.46	\$ 11.62

Source:

Unit burden and costs derived from Final RTCR T&C Document<sup>1</sup>.

<sup>1</sup> US Environmental Protection Agency. 2010. Technology and Cost Document for the Final Revised Total Coliform Rule. EPA 815-R-10-002.

Exhibit A.11 Lab Costs by Size Category (1989 TCR)

System Size (Population Served)	Routine Monitoring			Routine with Additional Monitoring			Repeat Monitoring		
	Unit Burden	Unit Cost (Labor)	Unit Cost (O&M)	Unit Burden	Unit Cost (Labor)	Unit Cost (O&M)	Unit Burden	Unit Cost (Labor)	Unit Cost (O&M)
	A	B	C	D	E	F	G	H	I
<b>Community Water Systems (CWSs) - SW</b>									
≤100	0.50	\$ 12.55	\$ 37.99	0.50	\$ 12.55	\$ 25.35	0.50	\$ 12.55	\$ 26.14
101-500	0.50	\$ 13.52	\$ 38.04	0.50	\$ 13.52	\$ 25.36	0.50	\$ 13.52	\$ 26.15
501-1,000	0.75	\$ 21.72	\$ 38.09	0.75	\$ 21.72	\$ 25.37	0.75	\$ 21.72	\$ 26.16
1,001-4,100	0.75	\$ 22.30	\$ 27.49	0.75	\$ 22.30	\$ 25.37	0.75	\$ 22.30	\$ 27.49
4,101-33,000	0.75	\$ 27.00	\$ 25.40	0.75	\$ 27.00	\$ 25.40	0.75	\$ 27.00	\$ 25.40
33,001-96,000	1.00	\$ 36.39	\$ 17.75	1.00	\$ 36.39	\$ 17.75	1.00	\$ 36.39	\$ 17.75
96,001-500,000	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62
500,001-1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62
> 1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62
<b>Community Water Systems (CWSs) - GW</b>									
≤100	0.50	\$ 12.55	\$ 37.99	0.50	\$ 12.55	\$ 25.35	0.50	\$ 12.55	\$ 26.14
101-500	0.50	\$ 13.52	\$ 38.04	0.50	\$ 13.52	\$ 25.36	0.50	\$ 13.52	\$ 26.15
501-1,000	0.75	\$ 21.72	\$ 38.09	0.75	\$ 21.72	\$ 25.37	0.75	\$ 21.72	\$ 26.16
1,001-4,100	0.75	\$ 22.30	\$ 30.15	0.75	\$ 22.30	\$ 25.37	0.75	\$ 22.30	\$ 27.49
4,101-33,000	0.75	\$ 27.00	\$ 25.40	0.75	\$ 27.00	\$ 25.40	0.75	\$ 27.00	\$ 25.40
33,001-96,000	1.00	\$ 36.39	\$ 17.75	1.00	\$ 36.39	\$ 17.75	1.00	\$ 36.39	\$ 17.75
96,001-500,000	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62
500,001-1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62
> 1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - SW</b>									
≤100	0.50	\$ 12.55	\$ 37.99	0.50	\$ 12.55	\$ 25.35	0.50	\$ 12.55	\$ 26.14
101-500	0.50	\$ 13.52	\$ 38.04	0.50	\$ 13.52	\$ 25.36	0.50	\$ 13.52	\$ 26.15
501-1,000	0.75	\$ 21.72	\$ 38.09	0.75	\$ 21.72	\$ 25.37	0.75	\$ 21.72	\$ 26.16
1,001-4,100	0.75	\$ 22.30	\$ 30.15	0.75	\$ 22.30	\$ 25.37	0.75	\$ 22.30	\$ 27.49
4,101-33,000	0.75	\$ 27.00	\$ 25.40	0.75	\$ 27.00	\$ 25.40	0.75	\$ 27.00	\$ 25.40
33,001-96,000	1.00	\$ 36.39	\$ 17.75	1.00	\$ 36.39	\$ 17.75	1.00	\$ 36.39	\$ 17.75
96,001-500,000	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62
500,001-1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62
> 1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - GW</b>									
≤100	0.50	\$ 12.55	\$ 37.99	0.50	\$ 12.55	\$ 25.35	0.50	\$ 12.55	\$ 26.14
101-500	0.50	\$ 13.52	\$ 38.04	0.50	\$ 13.52	\$ 25.36	0.50	\$ 13.52	\$ 26.15
501-1,000	0.75	\$ 21.72	\$ 38.09	0.75	\$ 21.72	\$ 25.37	0.75	\$ 21.72	\$ 26.16
1,001-4,100	0.75	\$ 22.30	\$ 30.15	0.75	\$ 22.30	\$ 25.37	0.75	\$ 22.30	\$ 27.49
4,101-33,000	0.75	\$ 27.00	\$ 25.40	0.75	\$ 27.00	\$ 25.40	0.75	\$ 27.00	\$ 25.40
33,001-96,000	1.00	\$ 36.39	\$ 17.75	1.00	\$ 36.39	\$ 17.75	1.00	\$ 36.39	\$ 17.75
96,001-500,000	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62
500,001-1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62
> 1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62
<b>Transient Noncommunity Water Systems (TNCWSs) - SW</b>									
≤100	0.50	\$ 12.55	\$ 37.99	0.50	\$ 12.55	\$ 25.35	0.50	\$ 12.55	\$ 26.14
101-500	0.50	\$ 13.52	\$ 38.04	0.50	\$ 13.52	\$ 25.36	0.50	\$ 13.52	\$ 26.15
501-1,000	0.75	\$ 21.72	\$ 38.09	0.75	\$ 21.72	\$ 25.37	0.75	\$ 21.72	\$ 26.16
1,001-4,100	0.75	\$ 22.30	\$ 30.15	0.75	\$ 22.30	\$ 25.37	0.75	\$ 22.30	\$ 27.49
4,101-33,000	0.75	\$ 27.00	\$ 25.40	0.75	\$ 27.00	\$ 25.40	0.75	\$ 27.00	\$ 25.40
33,001-96,000	1.00	\$ 36.39	\$ 17.75	1.00	\$ 36.39	\$ 17.75	1.00	\$ 36.39	\$ 17.75
96,001-500,000	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62
500,001-1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62
> 1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62
<b>Transient Noncommunity Water Systems (TNCWSs) - GW</b>									
≤100	0.50	\$ 12.55	\$ 37.99	0.50	\$ 12.55	\$ 25.35	0.50	\$ 12.55	\$ 26.14
101-500	0.50	\$ 13.52	\$ 38.04	0.50	\$ 13.52	\$ 25.36	0.50	\$ 13.52	\$ 26.15
501-1,000	0.75	\$ 21.72	\$ 38.09	0.75	\$ 21.72	\$ 25.37	0.75	\$ 21.72	\$ 26.16
1,001-4,100	0.75	\$ 22.30	\$ 30.15	0.75	\$ 22.30	\$ 25.37	0.75	\$ 22.30	\$ 27.49
4,101-33,000	0.75	\$ 27.00	\$ 25.40	0.75	\$ 27.00	\$ 25.40	0.75	\$ 27.00	\$ 25.40
33,001-96,000	1.00	\$ 36.39	\$ 17.75	1.00	\$ 36.39	\$ 17.75	1.00	\$ 36.39	\$ 17.75
96,001-500,000	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62
500,001-1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62
> 1 Million	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62	1.45	\$ 59.46	\$ 11.62

Source:

Unit burden and costs derived from Final RTCR T&C Document<sup>1</sup>.

<sup>1</sup> US Environmental Protection Agency. 2010. Technology and Cost Document for the Final Revised Total Coliform Rule. EPA 815-R-10-002.

**Exhibit A.12 PWS Unit Burden and Cost Estimates for Annual Site Visits (RTCR)**

PWS Size (Population Served)	Labor Cost (per hour)	Annual Site Visit (hours/PWS)	Unit Cost
	A	B	C=A*B
<b>Community Water Systems (CWSs) - SW</b>			
≤100	\$ 25.10	23.0	\$ 577.30
101-500	\$ 27.03	23.0	\$ 621.69
501-1,000	\$ 28.96	24.0	\$ 695.04
1,001-4,100	\$ 29.73	48.0	\$ 1,427.04
4,101-33,000	\$ 36.00	71.0	\$ 2,556.00
33,001-96,000	\$ 36.39	121.0	\$ 4,403.19
96,001-500,000	\$ 41.01	252.0	\$ 10,334.52
500,001-1 Million	\$ 41.01	252.0	\$ 10,334.52
> 1 Million	\$ 41.01	252.0	\$ 10,334.52
<b>Community Water Systems (CWSs) - GW</b>			
≤100	\$ 25.10	23.0	\$ 577.30
101-500	\$ 27.03	23.0	\$ 621.69
501-1,000	\$ 28.96	24.0	\$ 695.04
1,001-4,100	\$ 29.73	48.0	\$ 1,427.04
4,101-33,000	\$ 36.00	71.0	\$ 2,556.00
33,001-96,000	\$ 36.39	121.0	\$ 4,403.19
96,001-500,000	\$ 41.01	252.0	\$ 10,334.52
500,001-1 Million	\$ 41.01	252.0	\$ 10,334.52
> 1 Million	\$ 41.01	252.0	\$ 10,334.52
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - SW</b>			
≤100	\$ 25.10	21.0	\$ 527.10
101-500	\$ 27.03	21.0	\$ 567.63
501-1,000	\$ 28.96	21.0	\$ 608.16
1,001-4,100	\$ 29.73	29.0	\$ 862.17
4,101-33,000	\$ 36.00	71.0	\$ 2,556.00
33,001-96,000	\$ 36.39	121.0	\$ 4,403.19
96,001-500,000	\$ 41.01	252.0	\$ 10,334.52
500,001-1 Million	\$ 41.01	252.0	\$ 10,334.52
> 1 Million	\$ 41.01	252.0	\$ 10,334.52
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - GW</b>			
≤100	\$ 25.10	21.0	\$ 527.10
101-500	\$ 27.03	21.0	\$ 567.63
501-1,000	\$ 28.96	21.0	\$ 608.16
1,001-4,100	\$ 29.73	29.0	\$ 862.17
4,101-33,000	\$ 36.00	71.0	\$ 2,556.00
33,001-96,000	\$ 36.39	121.0	\$ 4,403.19
96,001-500,000	\$ 41.01	252.0	\$ 10,334.52
500,001-1 Million	\$ 41.01	252.0	\$ 10,334.52
> 1 Million	\$ 41.01	252.0	\$ 10,334.52
<b>Transient Noncommunity Water Systems (TNCWSs) - SW</b>			
≤100	\$ 25.10	21.0	\$ 527.10
101-500	\$ 27.03	21.0	\$ 567.63
501-1,000	\$ 28.96	21.0	\$ 608.16
1,001-4,100	\$ 29.73	29.0	\$ 862.17
4,101-33,000	\$ 36.00	71.0	\$ 2,556.00
33,001-96,000	\$ 36.39	121.0	\$ 4,403.19
96,001-500,000	\$ 41.01	252.0	\$ 10,334.52
500,001-1 Million	\$ 41.01	252.0	\$ 10,334.52
> 1 Million	\$ 41.01	252.0	\$ 10,334.52
<b>Transient Noncommunity Water Systems (TNCWSs) - GW</b>			
≤100	\$ 25.10	21.0	\$ 527.10
101-500	\$ 27.03	21.0	\$ 567.63
501-1,000	\$ 28.96	21.0	\$ 608.16
1,001-4,100	\$ 29.73	29.0	\$ 862.17
4,101-33,000	\$ 36.00	71.0	\$ 2,556.00
33,001-96,000	\$ 36.39	121.0	\$ 4,403.19
96,001-500,000	\$ 41.01	252.0	\$ 10,334.52
500,001-1 Million	\$ 41.01	252.0	\$ 10,334.52
> 1 Million	\$ 41.01	252.0	\$ 10,334.52

Notes:

Under the RTCR, only PWSs conducting annual routine monitoring are required to undergo annual site visits.

Sources:

(A) Labor rates for PWSs from Exhibit A.1.

(B) Labor hours for revising sample siting plan reflect EPA estimate.

**Exhibit A.13 PWS Unit Burden and Cost Estimates for Annual Site Visits (1989 TCR)**

PWS Size (Population Served)	Labor Cost (per hour)	Annual Site Visit (hours/PWS)	Unit Cost
	A	B	C=A*B
<b>Community Water Systems (CWSs) - SW</b>			
≤100	\$ 25.10	-	\$ -
101-500	\$ 27.03	-	\$ -
501-1,000	\$ 28.96	-	\$ -
1,001-4,100	\$ 29.73	-	\$ -
4,101-33,000	\$ 36.00	-	\$ -
33,001-96,000	\$ 36.39	-	\$ -
96,001-500,000	\$ 41.01	-	\$ -
500,001-1 Million	\$ 41.01	-	\$ -
> 1 Million	\$ 41.01	-	\$ -
<b>Community Water Systems (CWSs) - GW</b>			
≤100	\$ 25.10	-	\$ -
101-500	\$ 27.03	-	\$ -
501-1,000	\$ 28.96	-	\$ -
1,001-4,100	\$ 29.73	-	\$ -
4,101-33,000	\$ 36.00	-	\$ -
33,001-96,000	\$ 36.39	-	\$ -
96,001-500,000	\$ 41.01	-	\$ -
500,001-1 Million	\$ 41.01	-	\$ -
> 1 Million	\$ 41.01	-	\$ -
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - SW</b>			
≤100	\$ 25.10	-	\$ -
101-500	\$ 27.03	-	\$ -
501-1,000	\$ 28.96	-	\$ -
1,001-4,100	\$ 29.73	-	\$ -
4,101-33,000	\$ 36.00	-	\$ -
33,001-96,000	\$ 36.39	-	\$ -
96,001-500,000	\$ 41.01	-	\$ -
500,001-1 Million	\$ 41.01	-	\$ -
> 1 Million	\$ 41.01	-	\$ -
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - GW</b>			
≤100	\$ 25.10	-	\$ -
101-500	\$ 27.03	-	\$ -
501-1,000	\$ 28.96	-	\$ -
1,001-4,100	\$ 29.73	-	\$ -
4,101-33,000	\$ 36.00	-	\$ -
33,001-96,000	\$ 36.39	-	\$ -
96,001-500,000	\$ 41.01	-	\$ -
500,001-1 Million	\$ 41.01	-	\$ -
> 1 Million	\$ 41.01	-	\$ -
<b>Transient Noncommunity Water Systems (TNCWSs) - SW</b>			
≤100	\$ 25.10	-	\$ -
101-500	\$ 27.03	-	\$ -
501-1,000	\$ 28.96	-	\$ -
1,001-4,100	\$ 29.73	-	\$ -
4,101-33,000	\$ 36.00	-	\$ -
33,001-96,000	\$ 36.39	-	\$ -
96,001-500,000	\$ 41.01	-	\$ -
500,001-1 Million	\$ 41.01	-	\$ -
> 1 Million	\$ 41.01	-	\$ -
<b>Transient Noncommunity Water Systems (TNCWSs) - GW</b>			
≤100	\$ 25.10	-	\$ -
101-500	\$ 27.03	-	\$ -
501-1,000	\$ 28.96	-	\$ -
1,001-4,100	\$ 29.73	-	\$ -
4,101-33,000	\$ 36.00	-	\$ -
33,001-96,000	\$ 36.39	-	\$ -
96,001-500,000	\$ 41.01	-	\$ -
500,001-1 Million	\$ 41.01	-	\$ -
> 1 Million	\$ 41.01	-	\$ -

Notes:

(B) Under the 1989 TCR, PWSs are not required to undergo annual site visits.

Sources:

(A) Labor rates for PWSs from Exhibit A.1.

**Exhibit A.14 State Unit Burden and Cost Estimates for Annual Site Visits (RTCR)**

PWS Size (Population Served)	Labor Cost (per hour)		Annual Site Visit (hours/PWS)	Unit Cost C=A*B
	A	B		
<b>Community Water Systems (CWSs) - SW</b>				
≤100	\$ 43.58		23.0	\$ 1,002.42
101-500	\$ 43.58		23.0	\$ 1,002.42
501-1,000	\$ 43.58		24.0	\$ 1,046.00
1,001-4,100	\$ 43.58		48.0	\$ 2,092.01
4,101-33,000	\$ 43.58		71.0	\$ 3,094.43
33,001-96,000	\$ 43.58		121.0	\$ 5,273.60
96,001-500,000	\$ 43.58		252.0	\$ 10,983.04
500,001-1 Million	\$ 43.58		252.0	\$ 10,983.04
> 1 Million	\$ 43.58		252.0	\$ 10,983.04
<b>Community Water Systems (CWSs) - GW</b>				
≤100	\$ 43.58		23.0	\$ 1,002.42
101-500	\$ 43.58		23.0	\$ 1,002.42
501-1,000	\$ 43.58		24.0	\$ 1,046.00
1,001-4,100	\$ 43.58		48.0	\$ 2,092.01
4,101-33,000	\$ 43.58		71.0	\$ 3,094.43
33,001-96,000	\$ 43.58		121.0	\$ 5,273.60
96,001-500,000	\$ 43.58		252.0	\$ 10,983.04
500,001-1 Million	\$ 43.58		252.0	\$ 10,983.04
> 1 Million	\$ 43.58		252.0	\$ 10,983.04
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - SW</b>				
≤100	\$ 43.58		21.0	\$ 915.25
101-500	\$ 43.58		21.0	\$ 915.25
501-1,000	\$ 43.58		21.0	\$ 915.25
1,001-4,100	\$ 43.58		29.0	\$ 1,263.92
4,101-33,000	\$ 43.58		71.0	\$ 3,094.43
33,001-96,000	\$ 43.58		121.0	\$ 5,273.60
96,001-500,000	\$ 43.58		252.0	\$ 10,983.04
500,001-1 Million	\$ 43.58		252.0	\$ 10,983.04
> 1 Million	\$ 43.58		252.0	\$ 10,983.04
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - GW</b>				
≤100	\$ 43.58		21.0	\$ 915.25
101-500	\$ 43.58		21.0	\$ 915.25
501-1,000	\$ 43.58		21.0	\$ 915.25
1,001-4,100	\$ 43.58		29.0	\$ 1,263.92
4,101-33,000	\$ 43.58		71.0	\$ 3,094.43
33,001-96,000	\$ 43.58		121.0	\$ 5,273.60
96,001-500,000	\$ 43.58		252.0	\$ 10,983.04
500,001-1 Million	\$ 43.58		252.0	\$ 10,983.04
> 1 Million	\$ 43.58		252.0	\$ 10,983.04
<b>Transient Noncommunity Water Systems (TNCWSs) - SW</b>				
≤100	\$ 43.58		21.0	\$ 915.25
101-500	\$ 43.58		21.0	\$ 915.25
501-1,000	\$ 43.58		21.0	\$ 915.25
1,001-4,100	\$ 43.58		29.0	\$ 1,263.92
4,101-33,000	\$ 43.58		71.0	\$ 3,094.43
33,001-96,000	\$ 43.58		121.0	\$ 5,273.60
96,001-500,000	\$ 43.58		252.0	\$ 10,983.04
500,001-1 Million	\$ 43.58		252.0	\$ 10,983.04
> 1 Million	\$ 43.58		252.0	\$ 10,983.04
<b>Transient Noncommunity Water Systems (TNCWSs) - GW</b>				
≤100	\$ 43.58		21.0	\$ 915.25
101-500	\$ 43.58		21.0	\$ 915.25
501-1,000	\$ 43.58		21.0	\$ 915.25
1,001-4,100	\$ 43.58		29.0	\$ 1,263.92
4,101-33,000	\$ 43.58		71.0	\$ 3,094.43
33,001-96,000	\$ 43.58		121.0	\$ 5,273.60
96,001-500,000	\$ 43.58		252.0	\$ 10,983.04
500,001-1 Million	\$ 43.58		252.0	\$ 10,983.04
> 1 Million	\$ 43.58		252.0	\$ 10,983.04

Notes:

Under the RTCR, states are only required to conduct annual site visits for systems conducting annual routine monitoring.

Sources:

(A) Labor rates for state employee from Exhibit A.1.

(B) Labor hours for revising sample siting plan reflect EPA estimate.



**Exhibit A.15 State Unit Burden and Cost Estimates for  
Annual Site Visits (1989 TCR)**

PWS Size (Population Served)	Labor Cost (per hour)	Annual Site Visit (hours/PWS)	Unit Cost
	A	B	C=A*B
<b>Community Water Systems (CWSs) - SW</b>			
≤100	\$ 43.58	-	\$ -
101-500	\$ 43.58	-	\$ -
501-1,000	\$ 43.58	-	\$ -
1,001-4,100	\$ 43.58	-	\$ -
4,101-33,000	\$ 43.58	-	\$ -
33,001-96,000	\$ 43.58	-	\$ -
96,001-500,000	\$ 43.58	-	\$ -
500,001-1 Million	\$ 43.58	-	\$ -
> 1 Million	\$ 43.58	-	\$ -
<b>Community Water Systems (CWSs) - GW</b>			
≤100	\$ 43.58	-	\$ -
101-500	\$ 43.58	-	\$ -
501-1,000	\$ 43.58	-	\$ -
1,001-4,100	\$ 43.58	-	\$ -
4,101-33,000	\$ 43.58	-	\$ -
33,001-96,000	\$ 43.58	-	\$ -
96,001-500,000	\$ 43.58	-	\$ -
500,001-1 Million	\$ 43.58	-	\$ -
> 1 Million	\$ 43.58	-	\$ -
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - SW</b>			
≤100	\$ 43.58	-	\$ -
101-500	\$ 43.58	-	\$ -
501-1,000	\$ 43.58	-	\$ -
1,001-4,100	\$ 43.58	-	\$ -
4,101-33,000	\$ 43.58	-	\$ -
33,001-96,000	\$ 43.58	-	\$ -
96,001-500,000	\$ 43.58	-	\$ -
500,001-1 Million	\$ 43.58	-	\$ -
> 1 Million	\$ 43.58	-	\$ -
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - GW</b>			
≤100	\$ 43.58	-	\$ -
101-500	\$ 43.58	-	\$ -
501-1,000	\$ 43.58	-	\$ -
1,001-4,100	\$ 43.58	-	\$ -
4,101-33,000	\$ 43.58	-	\$ -
33,001-96,000	\$ 43.58	-	\$ -
96,001-500,000	\$ 43.58	-	\$ -
500,001-1 Million	\$ 43.58	-	\$ -
> 1 Million	\$ 43.58	-	\$ -
<b>Transient Noncommunity Water Systems (TNCWSs) - SW</b>			
≤100	\$ 43.58	-	\$ -
101-500	\$ 43.58	-	\$ -
501-1,000	\$ 43.58	-	\$ -
1,001-4,100	\$ 43.58	-	\$ -
4,101-33,000	\$ 43.58	-	\$ -
33,001-96,000	\$ 43.58	-	\$ -
96,001-500,000	\$ 43.58	-	\$ -
500,001-1 Million	\$ 43.58	-	\$ -
> 1 Million	\$ 43.58	-	\$ -
<b>Transient Noncommunity Water Systems (TNCWSs) - GW</b>			
≤100	\$ 43.58	-	\$ -
101-500	\$ 43.58	-	\$ -
501-1,000	\$ 43.58	-	\$ -
1,001-4,100	\$ 43.58	-	\$ -
4,101-33,000	\$ 43.58	-	\$ -
33,001-96,000	\$ 43.58	-	\$ -
96,001-500,000	\$ 43.58	-	\$ -
500,001-1 Million	\$ 43.58	-	\$ -
> 1 Million	\$ 43.58	-	\$ -

Notes:

(B) Under the 1989 TCR, states are not required to conduct annual site visits.

Sources:

(A) Labor rates for state employee from Exhibit A.1.

**Exhibit A.16 PWS Unit Burden and Cost Estimates for Level 1 and Level 2 Assessments (RTCR)**

PWS Size (Population Served)	Labor Cost (per hour) A	Level 1 Assessments		Level 2 Assessments			
		Non-Acute Trigger (single trigger) (hours) B	Unit Cost C=A*B	Acute Violations (hours) D	Unit Cost E=A*D	Level 2 Triggers (triggered by multiple Level 1s) (hours) F	Unit Cost G=A*F
<b>Community Water Systems (CWSs) - SW</b>							
≤100	\$ 25.10	19.0	\$ 476.90	23.0	\$ 577.30	22.0	\$ 552.20
101-500	\$ 27.03	19.0	\$ 513.57	23.0	\$ 621.69	22.0	\$ 594.66
501-1,000	\$ 28.96	20.0	\$ 579.20	24.0	\$ 695.04	23.0	\$ 666.08
1,001-4,100	\$ 29.73	31.0	\$ 921.63	48.0	\$ 1,427.04	46.0	\$ 1,367.58
4,101-33,000	\$ 36.00	41.0	\$ 1,476.00	71.0	\$ 2,556.00	69.0	\$ 2,484.00
33,001-96,000	\$ 36.39	68.0	\$ 2,474.52	121.0	\$ 4,403.19	116.0	\$ 4,221.24
96,001-500,000	\$ 41.01	159.0	\$ 6,520.59	252.0	\$ 10,334.52	238.0	\$ 9,760.38
500,001-1 Million	\$ 41.01	159.0	\$ 6,520.59	252.0	\$ 10,334.52	238.0	\$ 9,760.38
> 1 Million	\$ 41.01	159.0	\$ 6,520.59	252.0	\$ 10,334.52	238.0	\$ 9,760.38
<b>Community Water Systems (CWSs) - GW</b>							
≤100	\$ 25.10	19.0	\$ 476.90	23.0	\$ 577.30	22.0	\$ 552.20
101-500	\$ 27.03	19.0	\$ 513.57	23.0	\$ 621.69	22.0	\$ 594.66
501-1,000	\$ 28.96	20.0	\$ 579.20	24.0	\$ 695.04	23.0	\$ 666.08
1,001-4,100	\$ 29.73	31.0	\$ 921.63	48.0	\$ 1,427.04	46.0	\$ 1,367.58
4,101-33,000	\$ 36.00	41.0	\$ 1,476.00	71.0	\$ 2,556.00	69.0	\$ 2,484.00
33,001-96,000	\$ 36.39	68.0	\$ 2,474.52	121.0	\$ 4,403.19	116.0	\$ 4,221.24
96,001-500,000	\$ 41.01	159.0	\$ 6,520.59	252.0	\$ 10,334.52	238.0	\$ 9,760.38
500,001-1 Million	\$ 41.01	159.0	\$ 6,520.59	252.0	\$ 10,334.52	238.0	\$ 9,760.38
> 1 Million	\$ 41.01	159.0	\$ 6,520.59	252.0	\$ 10,334.52	238.0	\$ 9,760.38
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - SW</b>							
≤100	\$ 25.10	7.0	\$ 175.70	21.0	\$ 527.10	9.0	\$ 225.90
101-500	\$ 27.03	7.0	\$ 189.21	21.0	\$ 567.63	9.0	\$ 243.27
501-1,000	\$ 28.96	7.0	\$ 202.72	21.0	\$ 608.16	9.0	\$ 260.64
1,001-4,100	\$ 29.73	8.0	\$ 237.84	29.0	\$ 862.17	10.0	\$ 297.30
4,101-33,000	\$ 36.00	41.0	\$ 1,476.00	71.0	\$ 2,556.00	69.0	\$ 2,484.00
33,001-96,000	\$ 36.39	68.0	\$ 2,474.52	121.0	\$ 4,403.19	116.0	\$ 4,221.24
96,001-500,000	\$ 41.01	159.0	\$ 6,520.59	252.0	\$ 10,334.52	238.0	\$ 9,760.38
500,001-1 Million	\$ 41.01	159.0	\$ 6,520.59	252.0	\$ 10,334.52	238.0	\$ 9,760.38
> 1 Million	\$ 41.01	159.0	\$ 6,520.59	252.0	\$ 10,334.52	238.0	\$ 9,760.38
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - GW</b>							
≤100	\$ 25.10	7.0	\$ 175.70	21.0	\$ 527.10	9.0	\$ 225.90
101-500	\$ 27.03	7.0	\$ 189.21	21.0	\$ 567.63	9.0	\$ 243.27
501-1,000	\$ 28.96	7.0	\$ 202.72	21.0	\$ 608.16	9.0	\$ 260.64
1,001-4,100	\$ 29.73	8.0	\$ 237.84	29.0	\$ 862.17	10.0	\$ 297.30
4,101-33,000	\$ 36.00	41.0	\$ 1,476.00	71.0	\$ 2,556.00	69.0	\$ 2,484.00
33,001-96,000	\$ 36.39	68.0	\$ 2,474.52	121.0	\$ 4,403.19	116.0	\$ 4,221.24
96,001-500,000	\$ 41.01	159.0	\$ 6,520.59	252.0	\$ 10,334.52	238.0	\$ 9,760.38
500,001-1 Million	\$ 41.01	159.0	\$ 6,520.59	252.0	\$ 10,334.52	238.0	\$ 9,760.38
> 1 Million	\$ 41.01	159.0	\$ 6,520.59	252.0	\$ 10,334.52	238.0	\$ 9,760.38
<b>Transient Noncommunity Water Systems (TNCWSs) - SW</b>							
≤100	\$ 25.10	7.0	\$ 175.70	21.0	\$ 527.10	9.0	\$ 225.90
101-500	\$ 27.03	7.0	\$ 189.21	21.0	\$ 567.63	9.0	\$ 243.27
501-1,000	\$ 28.96	7.0	\$ 202.72	21.0	\$ 608.16	9.0	\$ 260.64
1,001-4,100	\$ 29.73	8.0	\$ 237.84	29.0	\$ 862.17	10.0	\$ 297.30
4,101-33,000	\$ 36.00	41.0	\$ 1,476.00	71.0	\$ 2,556.00	69.0	\$ 2,484.00
33,001-96,000	\$ 36.39	68.0	\$ 2,474.52	121.0	\$ 4,403.19	116.0	\$ 4,221.24
96,001-500,000	\$ 41.01	159.0	\$ 6,520.59	252.0	\$ 10,334.52	238.0	\$ 9,760.38
500,001-1 Million	\$ 41.01	159.0	\$ 6,520.59	252.0	\$ 10,334.52	238.0	\$ 9,760.38
> 1 Million	\$ 41.01	159.0	\$ 6,520.59	252.0	\$ 10,334.52	238.0	\$ 9,760.38
<b>Transient Noncommunity Water Systems (TNCWSs) - GW</b>							
≤100	\$ 25.10	7.0	\$ 175.70	21.0	\$ 527.10	9.0	\$ 225.90
101-500	\$ 27.03	7.0	\$ 189.21	21.0	\$ 567.63	9.0	\$ 243.27
501-1,000	\$ 28.96	7.0	\$ 202.72	21.0	\$ 608.16	9.0	\$ 260.64
1,001-4,100	\$ 29.73	8.0	\$ 237.84	29.0	\$ 862.17	10.0	\$ 297.30
4,101-33,000	\$ 36.00	41.0	\$ 1,476.00	71.0	\$ 2,556.00	69.0	\$ 2,484.00
33,001-96,000	\$ 36.39	68.0	\$ 2,474.52	121.0	\$ 4,403.19	116.0	\$ 4,221.24
96,001-500,000	\$ 41.01	159.0	\$ 6,520.59	252.0	\$ 10,334.52	238.0	\$ 9,760.38
500,001-1 Million	\$ 41.01	159.0	\$ 6,520.59	252.0	\$ 10,334.52	238.0	\$ 9,760.38
> 1 Million	\$ 41.01	159.0	\$ 6,520.59	252.0	\$ 10,334.52	238.0	\$ 9,760.38

Sources:

(A) Labor rates for PWSs from Exhibit A.1.

(B), (D), (F) Final RTCR T&C Document<sup>1</sup>.

<sup>1</sup> US Environmental Protection Agency. 2010. Technology and Cost Document for the Final Revised Total Coliform Rule. EPA 815-R-10-002.

**Exhibit A.17 PWS Unit Burden and Cost Estimates for Level 1 and Level 2 Assessments (1989 TCR)**

PWS Size (Population Served)	Labor Cost (per hour)	Activities Similar to Level 1 Assessments			Activities Similar to Level 2 Assessments			
		Non-Acute Violations (single violation) (hours)	Unit Cost	Acute Violations (hours)	Unit Cost	Non-Acute Violations (multiple violations) (hours)	Unit Cost	
		A	B	C=A*B	D	E=A*D	F	G=A*F
<b>Community Water Systems (CWSs) - SW</b>								
≤100	\$ 25.10	\$ 11.0	\$ 276.10	\$ 14.0	\$ 351.40	\$ 14.0	\$ 351.40	
101-500	\$ 27.03	\$ 11.0	\$ 297.33	\$ 14.0	\$ 378.42	\$ 14.0	\$ 378.42	
501-1,000	\$ 28.96	\$ 13.0	\$ 376.48	\$ 15.0	\$ 434.40	\$ 15.0	\$ 434.40	
1,001-4,100	\$ 29.73	\$ 22.0	\$ 654.06	\$ 29.0	\$ 862.17	\$ 29.0	\$ 862.17	
4,101-33,000	\$ 36.00	\$ 30.0	\$ 1,080.00	\$ 36.0	\$ 1,296.00	\$ 36.0	\$ 1,296.00	
33,001-96,000	\$ 36.39	\$ 59.0	\$ 2,147.01	\$ 75.0	\$ 2,729.25	\$ 75.0	\$ 2,729.25	
96,001-500,000	\$ 41.01	\$ 108.0	\$ 4,429.08	\$ 117.0	\$ 4,798.17	\$ 117.0	\$ 4,798.17	
500,001-1 Million	\$ 41.01	\$ 108.0	\$ 4,429.08	\$ 117.0	\$ 4,798.17	\$ 117.0	\$ 4,798.17	
> 1 Million	\$ 41.01	\$ 108.0	\$ 4,429.08	\$ 117.0	\$ 4,798.17	\$ 117.0	\$ 4,798.17	
<b>Community Water Systems (CWSs) - GW</b>								
≤100	\$ 25.10	\$ 11.0	\$ 276.10	\$ 14.0	\$ 351.40	\$ 14.0	\$ 351.40	
101-500	\$ 27.03	\$ 11.0	\$ 297.33	\$ 14.0	\$ 378.42	\$ 14.0	\$ 378.42	
501-1,000	\$ 28.96	\$ 13.0	\$ 376.48	\$ 15.0	\$ 434.40	\$ 15.0	\$ 434.40	
1,001-4,100	\$ 29.73	\$ 22.0	\$ 654.06	\$ 29.0	\$ 862.17	\$ 29.0	\$ 862.17	
4,101-33,000	\$ 36.00	\$ 30.0	\$ 1,080.00	\$ 36.0	\$ 1,296.00	\$ 36.0	\$ 1,296.00	
33,001-96,000	\$ 36.39	\$ 59.0	\$ 2,147.01	\$ 75.0	\$ 2,729.25	\$ 75.0	\$ 2,729.25	
96,001-500,000	\$ 41.01	\$ 108.0	\$ 4,429.08	\$ 117.0	\$ 4,798.17	\$ 117.0	\$ 4,798.17	
500,001-1 Million	\$ 41.01	\$ 108.0	\$ 4,429.08	\$ 117.0	\$ 4,798.17	\$ 117.0	\$ 4,798.17	
> 1 Million	\$ 41.01	\$ 108.0	\$ 4,429.08	\$ 117.0	\$ 4,798.17	\$ 117.0	\$ 4,798.17	
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - SW</b>								
≤100	\$ 25.10	\$ 4.0	\$ 100.40	\$ 6.0	\$ 150.60	\$ 6.0	\$ 150.60	
101-500	\$ 27.03	\$ 4.0	\$ 108.12	\$ 6.0	\$ 162.18	\$ 6.0	\$ 162.18	
501-1,000	\$ 28.96	\$ 4.0	\$ 115.84	\$ 6.0	\$ 173.76	\$ 6.0	\$ 173.76	
1,001-4,100	\$ 29.73	\$ 4.0	\$ 118.92	\$ 6.0	\$ 178.38	\$ 6.0	\$ 178.38	
4,101-33,000	\$ 36.00	\$ 30.0	\$ 1,080.00	\$ 36.0	\$ 1,296.00	\$ 36.0	\$ 1,296.00	
33,001-96,000	\$ 36.39	\$ 59.0	\$ 2,147.01	\$ 75.0	\$ 2,729.25	\$ 75.0	\$ 2,729.25	
96,001-500,000	\$ 41.01	\$ 108.0	\$ 4,429.08	\$ 117.0	\$ 4,798.17	\$ 117.0	\$ 4,798.17	
500,001-1 Million	\$ 41.01	\$ 108.0	\$ 4,429.08	\$ 117.0	\$ 4,798.17	\$ 117.0	\$ 4,798.17	
> 1 Million	\$ 41.01	\$ 108.0	\$ 4,429.08	\$ 117.0	\$ 4,798.17	\$ 117.0	\$ 4,798.17	
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - GW</b>								
≤100	\$ 25.10	\$ 4.0	\$ 100.40	\$ 6.0	\$ 150.60	\$ 6.0	\$ 150.60	
101-500	\$ 27.03	\$ 4.0	\$ 108.12	\$ 6.0	\$ 162.18	\$ 6.0	\$ 162.18	
501-1,000	\$ 28.96	\$ 4.0	\$ 115.84	\$ 6.0	\$ 173.76	\$ 6.0	\$ 173.76	
1,001-4,100	\$ 29.73	\$ 4.0	\$ 118.92	\$ 6.0	\$ 178.38	\$ 6.0	\$ 178.38	
4,101-33,000	\$ 36.00	\$ 30.0	\$ 1,080.00	\$ 36.0	\$ 1,296.00	\$ 36.0	\$ 1,296.00	
33,001-96,000	\$ 36.39	\$ 59.0	\$ 2,147.01	\$ 75.0	\$ 2,729.25	\$ 75.0	\$ 2,729.25	
96,001-500,000	\$ 41.01	\$ 108.0	\$ 4,429.08	\$ 117.0	\$ 4,798.17	\$ 117.0	\$ 4,798.17	
500,001-1 Million	\$ 41.01	\$ 108.0	\$ 4,429.08	\$ 117.0	\$ 4,798.17	\$ 117.0	\$ 4,798.17	
> 1 Million	\$ 41.01	\$ 108.0	\$ 4,429.08	\$ 117.0	\$ 4,798.17	\$ 117.0	\$ 4,798.17	
<b>Transient Noncommunity Water Systems (TNCWSs) - SW</b>								
≤100	\$ 25.10	\$ 4.0	\$ 100.40	\$ 6.0	\$ 150.60	\$ 6.0	\$ 150.60	
101-500	\$ 27.03	\$ 4.0	\$ 108.12	\$ 6.0	\$ 162.18	\$ 6.0	\$ 162.18	
501-1,000	\$ 28.96	\$ 4.0	\$ 115.84	\$ 6.0	\$ 173.76	\$ 6.0	\$ 173.76	
1,001-4,100	\$ 29.73	\$ 4.0	\$ 118.92	\$ 6.0	\$ 178.38	\$ 6.0	\$ 178.38	
4,101-33,000	\$ 36.00	\$ 30.0	\$ 1,080.00	\$ 36.0	\$ 1,296.00	\$ 36.0	\$ 1,296.00	
33,001-96,000	\$ 36.39	\$ 59.0	\$ 2,147.01	\$ 75.0	\$ 2,729.25	\$ 75.0	\$ 2,729.25	
96,001-500,000	\$ 41.01	\$ 108.0	\$ 4,429.08	\$ 117.0	\$ 4,798.17	\$ 117.0	\$ 4,798.17	
500,001-1 Million	\$ 41.01	\$ 108.0	\$ 4,429.08	\$ 117.0	\$ 4,798.17	\$ 117.0	\$ 4,798.17	
> 1 Million	\$ 41.01	\$ 108.0	\$ 4,429.08	\$ 117.0	\$ 4,798.17	\$ 117.0	\$ 4,798.17	
<b>Transient Noncommunity Water Systems (TNCWSs) - GW</b>								
≤100	\$ 25.10	\$ 4.0	\$ 100.40	\$ 6.0	\$ 150.60	\$ 6.0	\$ 150.60	
101-500	\$ 27.03	\$ 4.0	\$ 108.12	\$ 6.0	\$ 162.18	\$ 6.0	\$ 162.18	
501-1,000	\$ 28.96	\$ 4.0	\$ 115.84	\$ 6.0	\$ 173.76	\$ 6.0	\$ 173.76	
1,001-4,100	\$ 29.73	\$ 4.0	\$ 118.92	\$ 6.0	\$ 178.38	\$ 6.0	\$ 178.38	
4,101-33,000	\$ 36.00	\$ 30.0	\$ 1,080.00	\$ 36.0	\$ 1,296.00	\$ 36.0	\$ 1,296.00	
33,001-96,000	\$ 36.39	\$ 59.0	\$ 2,147.01	\$ 75.0	\$ 2,729.25	\$ 75.0	\$ 2,729.25	
96,001-500,000	\$ 41.01	\$ 108.0	\$ 4,429.08	\$ 117.0	\$ 4,798.17	\$ 117.0	\$ 4,798.17	
500,001-1 Million	\$ 41.01	\$ 108.0	\$ 4,429.08	\$ 117.0	\$ 4,798.17	\$ 117.0	\$ 4,798.17	
> 1 Million	\$ 41.01	\$ 108.0	\$ 4,429.08	\$ 117.0	\$ 4,798.17	\$ 117.0	\$ 4,798.17	

Note:

(F) EPA assumes that the burden incurred by operators to assess their PWSs following a second non-acute violation is equal to the burden incurred by an assessment following an acute violation.

Sources:

(A) Labor rates for PWSs from Exhibit A.1.

(B), (D), (F) Final RTRC T&C Document<sup>1</sup>.

<sup>1</sup> US Environmental Protection Agency. 2010. Technology and Cost Document for the Final Revised Total Coliform Rule. EPA 815-R-10-002.

**Exhibit A.18 State Unit Burden and Cost Estimates for Level 1 and Level 2 Assessments (RTCR)**

PWS Size (Population Served)	Labor Cost (per hour) A	Level 1 Assessments		Level 2 Assessments			
		Non-Acute Trigger (single trigger) (hours) B	Unit Cost C=A*B	Acute Violations (hours) D	Unit Cost E=A*D	Level 2 Triggers (triggered by multiple Level 1s) (hours) F	Unit Cost G=A*F
<b>Community Water Systems (CWSs) - SW</b>							
≤100	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
101-500	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
501-1,000	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
1,001-4,100	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
4,101-33,000	\$ 39.22	3.0	\$ 117.65	6.0	\$ 235.31	6.0	\$ 235.31
33,001-96,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
96,001-500,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
500,001-1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
> 1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
<b>Community Water Systems (CWSs) - GW</b>							
≤100	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
101-500	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
501-1,000	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
1,001-4,100	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
4,101-33,000	\$ 39.22	3.0	\$ 117.65	6.0	\$ 235.31	6.0	\$ 235.31
33,001-96,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
96,001-500,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
500,001-1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
> 1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - SW</b>							
≤100	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
101-500	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
501-1,000	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
1,001-4,100	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
4,101-33,000	\$ 39.22	3.0	\$ 117.65	6.0	\$ 235.31	6.0	\$ 235.31
33,001-96,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
96,001-500,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
500,001-1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
> 1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - GW</b>							
≤100	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
101-500	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
501-1,000	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
1,001-4,100	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
4,101-33,000	\$ 39.22	3.0	\$ 117.65	6.0	\$ 235.31	6.0	\$ 235.31
33,001-96,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
96,001-500,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
500,001-1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
> 1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
<b>Transient Noncommunity Water Systems (TNCWSs) - SW</b>							
≤100	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
101-500	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
501-1,000	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
1,001-4,100	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
4,101-33,000	\$ 39.22	3.0	\$ 117.65	6.0	\$ 235.31	6.0	\$ 235.31
33,001-96,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
96,001-500,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
500,001-1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
> 1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
<b>Transient Noncommunity Water Systems (TNCWSs) - GW</b>							
≤100	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
101-500	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
501-1,000	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
1,001-4,100	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
4,101-33,000	\$ 39.22	3.0	\$ 117.65	6.0	\$ 235.31	6.0	\$ 235.31
33,001-96,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
96,001-500,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
500,001-1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
> 1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74

Sources:

- (A) Labor rates for state employee from Exhibit A.1.
- (B), (D), (E) Labor hour assumptions based on best professional judgment.

**Exhibit A.19 State Unit Burden and Cost Estimates for Level 1 and Level 2 Assessments (1989 TCR)**

PWS Size (Population Served)	Labor Cost (per hour)	Level 1 Assessments		Level 2 Assessments			
		Non-Acute Violations (single violation) (hours)	Unit Cost	Acute Violations (hours)	Unit Cost	Non-Acute Violations (multiple violations) (hours)	Unit Cost
<b>Community Water Systems (CWSs) - SW</b>							
≤100	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
101-500	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
501-1,000	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
1,001-4,100	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
4,101-33,000	\$ 39.22	3.0	\$ 117.65	6.0	\$ 235.31	6.0	\$ 235.31
33,001-96,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
96,001-500,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
500,001-1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
> 1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
<b>Community Water Systems (CWSs) - GW</b>							
≤100	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
101-500	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
501-1,000	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
1,001-4,100	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
4,101-33,000	\$ 39.22	3.0	\$ 117.65	6.0	\$ 235.31	6.0	\$ 235.31
33,001-96,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
96,001-500,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
500,001-1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
> 1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - SW</b>							
≤100	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
101-500	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
501-1,000	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
1,001-4,100	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
4,101-33,000	\$ 39.22	3.0	\$ 117.65	6.0	\$ 235.31	6.0	\$ 235.31
33,001-96,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
96,001-500,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
500,001-1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
> 1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - GW</b>							
≤100	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
101-500	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
501-1,000	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
1,001-4,100	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
4,101-33,000	\$ 39.22	3.0	\$ 117.65	6.0	\$ 235.31	6.0	\$ 235.31
33,001-96,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
96,001-500,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
500,001-1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
> 1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
<b>Transient Noncommunity Water Systems (TNCWSs) - SW</b>							
≤100	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
101-500	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
501-1,000	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
1,001-4,100	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
4,101-33,000	\$ 39.22	3.0	\$ 117.65	6.0	\$ 235.31	6.0	\$ 235.31
33,001-96,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
96,001-500,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
500,001-1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
> 1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
<b>Transient Noncommunity Water Systems (TNCWSs) - GW</b>							
≤100	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
101-500	\$ 39.22	1.0	\$ 39.22	2.0	\$ 78.44	2.0	\$ 78.44
501-1,000	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
1,001-4,100	\$ 39.22	2.0	\$ 78.44	4.0	\$ 156.87	4.0	\$ 156.87
4,101-33,000	\$ 39.22	3.0	\$ 117.65	6.0	\$ 235.31	6.0	\$ 235.31
33,001-96,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
96,001-500,000	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
500,001-1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74
> 1 Million	\$ 39.22	4.0	\$ 156.87	8.0	\$ 313.74	8.0	\$ 313.74

Sources:

(A) Labor rates for state employee from Exhibit A.1.

(B), (D), (E) Labor hour assumptions based on best professional judgment.

**Exhibit A.20 PWS Compliance Forecast for Level 1 and Level 2 Corrective Actions (RTCR)**

PWS Size (Population Served)	PWS Flushing	Sampler Training	Replace/Repair of Distribution System Components	Maintenance of Adequate Pressure	Maintenance of appropriate Hydraulic Residence Time	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
	A	B	C	D	E	F	G	H	I	J	K
<b>Level 1 Compliance Forecast</b>											
≤100	39%	15%	12%	9%	8%	6%	4%	1%	3%	1%	2%
101-500	39%	15%	12%	9%	8%	6%	4%	1%	3%	1%	2%
501-1,000	39%	15%	12%	9%	8%	6%	4%	1%	3%	1%	2%
1,001-4,100	39%	15%	12%	9%	8%	6%	4%	1%	3%	1%	2%
4,101-33,000	39%	15%	12%	9%	8%	6%	4%	1%	3%	1%	2%
33,001-96,000	39%	15%	12%	9%	8%	6%	4%	1%	3%	1%	2%
96,001-500,000	39%	15%	12%	9%	8%	6%	4%	1%	3%	1%	2%
500,001-1 Million	39%	15%	12%	9%	8%	6%	4%	1%	3%	1%	2%
> 1 Million	39%	15%	12%	9%	8%	6%	4%	1%	3%	1%	2%
<b>Level 2 Compliance Forecast</b>											
≤100	15%	4%	18%	15%	15%	11%	8%	2%	6%	2%	4%
101-500	15%	4%	18%	15%	15%	11%	8%	2%	6%	2%	4%
501-1,000	15%	4%	18%	15%	15%	11%	8%	2%	6%	2%	4%
1,001-4,100	15%	4%	18%	15%	15%	11%	8%	2%	6%	2%	4%
4,101-33,000	15%	4%	18%	15%	15%	11%	8%	2%	6%	2%	4%
33,001-96,000	15%	4%	18%	15%	15%	11%	8%	2%	6%	2%	4%
96,001-500,000	15%	4%	18%	15%	15%	11%	8%	2%	6%	2%	4%
500,001-1 Million	15%	4%	18%	15%	15%	11%	8%	2%	6%	2%	4%
> 1 Million	15%	4%	18%	15%	15%	11%	8%	2%	6%	2%	4%

Source:

(A) - (K) Percent of PWSs performing corrective actions based on Level 1 and Level 2 assessments reflect EPA estimate.

**Exhibit A.21 PWS Compliance Forecast for Level 1 and Level 2 Corrective Actions (1989 TCR)**

PWS Size (Population Served)	PWS Flushing	Sampler Training	Replace/Repair of Distribution System Components	Maintenance of Adequate Pressure	Maintenance of appropriate Hydraulic Residence Time	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
	A	B	C	D	E	F	G	H	I	J	K
<b>Level 1 Compliance Forecast</b>											
≤100	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
101-500	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
501-1,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1,001-4,100	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
4,101-33,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
33,001-96,000	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%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>Level 2 Compliance Forecast</b>											
≤100	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
101-500	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
501-1,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1,001-4,100	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
4,101-33,000	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
33,001-96,000	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%
500,001-1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
> 1 Million	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Source:

(A) - (K) Percent of PWSs performing corrective actions based on Level 1 and Level 2 assessments reflect EPA estimate.

**Exhibit A.22 Weighted R&R Burden Estimates for Corrective Actions**

PWS Size (Population Served)	Level 1 Corrective Actions				Level 2 Corrective Actions			
	Weighted Unit Burden - PWS		Weighted Unit Burden - State		Weighted Unit Burden - PWS		Weighted Unit Burden - State	
	1989 TCR	RTCR	1989 TCR	RTCR	1989 TCR	RTCR	1989 TCR	RTCR
	A	B	D	E	G	H	J	K
<b>Community Water Systems (CWSs) - SW</b>								
≤100	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
101-500	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
501-1,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
1,001-4,100	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
4,101-33,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
33,001-96,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
96,001-500,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
500,001-1 Million	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
> 1 Million	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
<b>Community Water Systems (CWSs) - GW</b>								
≤100	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
101-500	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
501-1,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
1,001-4,100	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
4,101-33,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
33,001-96,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
96,001-500,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
500,001-1 Million	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
> 1 Million	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - SW</b>								
≤100	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
101-500	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
501-1,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
1,001-4,100	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
4,101-33,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
33,001-96,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
96,001-500,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
500,001-1 Million	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
> 1 Million	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - GW</b>								
≤100	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
101-500	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
501-1,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
1,001-4,100	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
4,101-33,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
33,001-96,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
96,001-500,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
500,001-1 Million	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
> 1 Million	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
<b>Transient Noncommunity Water Systems (TNCWSs) - SW</b>								
≤100	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
101-500	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
501-1,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
1,001-4,100	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
4,101-33,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
33,001-96,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
96,001-500,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
500,001-1 Million	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
> 1 Million	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
<b>Transient Noncommunity Water Systems (TNCWSs) - GW</b>								
≤100	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
101-500	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
501-1,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
1,001-4,100	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
4,101-33,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
33,001-96,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
96,001-500,000	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
500,001-1 Million	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50
> 1 Million	0.00	0.50	0.00	0.50	0.00	0.50	0.00	0.50

Sources:

(A) - (K) Weighted unit costs for corrective actions based on compliance forecasts (Exhibits D.1 - D.4 of the final RTCR EA<sup>1</sup>) and unit costs (Exhibits D.5 - D.7 of the final RTCR EA).

<sup>1</sup>US Environmental Protection Agency. 2010. Economic Analysis for the Final Revised Total Coliform Rule (EPA 815-R-10-001).



**Exhibit A.23 Weighted R&R 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	
	1989 TCR	RTCR	1989 TCR	RTCR	1989 TCR	RTCR	1989 TCR	RTCR
	A	B	D	E	G	H	J	K
<b>Community Water Systems (CWSs) - SW</b>								
≤100	\$ -	\$ 12.55	\$ -	\$ 19.61	\$ -	\$ 12.55	\$ -	\$ 19.61
101-500	\$ -	\$ 13.52	\$ -	\$ 19.61	\$ -	\$ 13.52	\$ -	\$ 19.61
501-1,000	\$ -	\$ 14.48	\$ -	\$ 19.61	\$ -	\$ 14.48	\$ -	\$ 19.61
1,001-4,100	\$ -	\$ 14.87	\$ -	\$ 19.61	\$ -	\$ 14.87	\$ -	\$ 19.61
4,101-33,000	\$ -	\$ 18.00	\$ -	\$ 19.61	\$ -	\$ 18.00	\$ -	\$ 19.61
33,001-96,000	\$ -	\$ 18.20	\$ -	\$ 19.61	\$ -	\$ 18.20	\$ -	\$ 19.61
96,001-500,000	\$ -	\$ 20.51	\$ -	\$ 19.61	\$ -	\$ 20.51	\$ -	\$ 19.61
500,001-1 Million	\$ -	\$ 20.51	\$ -	\$ 19.61	\$ -	\$ 20.51	\$ -	\$ 19.61
> 1 Million	\$ -	\$ 20.51	\$ -	\$ 19.61	\$ -	\$ 20.51	\$ -	\$ 19.61
<b>Community Water Systems (CWSs) - GW</b>								
≤100	\$ -	\$ 12.55	\$ -	\$ 19.61	\$ -	\$ 12.55	\$ -	\$ 19.61
101-500	\$ -	\$ 13.52	\$ -	\$ 19.61	\$ -	\$ 13.52	\$ -	\$ 19.61
501-1,000	\$ -	\$ 14.48	\$ -	\$ 19.61	\$ -	\$ 14.48	\$ -	\$ 19.61
1,001-4,100	\$ -	\$ 14.87	\$ -	\$ 19.61	\$ -	\$ 14.87	\$ -	\$ 19.61
4,101-33,000	\$ -	\$ 18.00	\$ -	\$ 19.61	\$ -	\$ 18.00	\$ -	\$ 19.61
33,001-96,000	\$ -	\$ 18.20	\$ -	\$ 19.61	\$ -	\$ 18.20	\$ -	\$ 19.61
96,001-500,000	\$ -	\$ 20.51	\$ -	\$ 19.61	\$ -	\$ 20.51	\$ -	\$ 19.61
500,001-1 Million	\$ -	\$ 20.51	\$ -	\$ 19.61	\$ -	\$ 20.51	\$ -	\$ 19.61
> 1 Million	\$ -	\$ 20.51	\$ -	\$ 19.61	\$ -	\$ 20.51	\$ -	\$ 19.61
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - SW</b>								
≤100	\$ -	\$ 12.55	\$ -	\$ 19.61	\$ -	\$ 12.55	\$ -	\$ 19.61
101-500	\$ -	\$ 13.52	\$ -	\$ 19.61	\$ -	\$ 13.52	\$ -	\$ 19.61
501-1,000	\$ -	\$ 14.48	\$ -	\$ 19.61	\$ -	\$ 14.48	\$ -	\$ 19.61
1,001-4,100	\$ -	\$ 14.87	\$ -	\$ 19.61	\$ -	\$ 14.87	\$ -	\$ 19.61
4,101-33,000	\$ -	\$ 18.00	\$ -	\$ 19.61	\$ -	\$ 18.00	\$ -	\$ 19.61
33,001-96,000	\$ -	\$ 18.20	\$ -	\$ 19.61	\$ -	\$ 18.20	\$ -	\$ 19.61
96,001-500,000	\$ -	\$ 20.51	\$ -	\$ 19.61	\$ -	\$ 20.51	\$ -	\$ 19.61
500,001-1 Million	\$ -	\$ 20.51	\$ -	\$ 19.61	\$ -	\$ 20.51	\$ -	\$ 19.61
> 1 Million	\$ -	\$ 20.51	\$ -	\$ 19.61	\$ -	\$ 20.51	\$ -	\$ 19.61
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - GW</b>								
≤100	\$ -	\$ 12.55	\$ -	\$ 19.61	\$ -	\$ 12.55	\$ -	\$ 19.61
101-500	\$ -	\$ 13.52	\$ -	\$ 19.61	\$ -	\$ 13.52	\$ -	\$ 19.61
501-1,000	\$ -	\$ 14.48	\$ -	\$ 19.61	\$ -	\$ 14.48	\$ -	\$ 19.61
1,001-4,100	\$ -	\$ 14.87	\$ -	\$ 19.61	\$ -	\$ 14.87	\$ -	\$ 19.61
4,101-33,000	\$ -	\$ 18.00	\$ -	\$ 19.61	\$ -	\$ 18.00	\$ -	\$ 19.61
33,001-96,000	\$ -	\$ 18.20	\$ -	\$ 19.61	\$ -	\$ 18.20	\$ -	\$ 19.61
96,001-500,000	\$ -	\$ 20.51	\$ -	\$ 19.61	\$ -	\$ 20.51	\$ -	\$ 19.61
500,001-1 Million	\$ -	\$ 20.51	\$ -	\$ 19.61	\$ -	\$ 20.51	\$ -	\$ 19.61
> 1 Million	\$ -	\$ 20.51	\$ -	\$ 19.61	\$ -	\$ 20.51	\$ -	\$ 19.61
<b>Transient Noncommunity Water Systems (TNCWSs) - SW</b>								
≤100	\$ -	\$ 12.55	\$ -	\$ 19.61	\$ -	\$ 12.55	\$ -	\$ 19.61
101-500	\$ -	\$ 13.52	\$ -	\$ 19.61	\$ -	\$ 13.52	\$ -	\$ 19.61
501-1,000	\$ -	\$ 14.48	\$ -	\$ 19.61	\$ -	\$ 14.48	\$ -	\$ 19.61
1,001-4,100	\$ -	\$ 14.87	\$ -	\$ 19.61	\$ -	\$ 14.87	\$ -	\$ 19.61
4,101-33,000	\$ -	\$ 18.00	\$ -	\$ 19.61	\$ -	\$ 18.00	\$ -	\$ 19.61
33,001-96,000	\$ -	\$ 18.20	\$ -	\$ 19.61	\$ -	\$ 18.20	\$ -	\$ 19.61
96,001-500,000	\$ -	\$ 20.51	\$ -	\$ 19.61	\$ -	\$ 20.51	\$ -	\$ 19.61
500,001-1 Million	\$ -	\$ 20.51	\$ -	\$ 19.61	\$ -	\$ 20.51	\$ -	\$ 19.61
> 1 Million	\$ -	\$ 20.51	\$ -	\$ 19.61	\$ -	\$ 20.51	\$ -	\$ 19.61
<b>Transient Noncommunity Water Systems (TNCWSs) - GW</b>								
≤100	\$ -	\$ 12.55	\$ -	\$ 19.61	\$ -	\$ 12.55	\$ -	\$ 19.61
101-500	\$ -	\$ 13.52	\$ -	\$ 19.61	\$ -	\$ 13.52	\$ -	\$ 19.61
501-1,000	\$ -	\$ 14.48	\$ -	\$ 19.61	\$ -	\$ 14.48	\$ -	\$ 19.61
1,001-4,100	\$ -	\$ 14.87	\$ -	\$ 19.61	\$ -	\$ 14.87	\$ -	\$ 19.61
4,101-33,000	\$ -	\$ 18.00	\$ -	\$ 19.61	\$ -	\$ 18.00	\$ -	\$ 19.61
33,001-96,000	\$ -	\$ 18.20	\$ -	\$ 19.61	\$ -	\$ 18.20	\$ -	\$ 19.61
96,001-500,000	\$ -	\$ 20.51	\$ -	\$ 19.61	\$ -	\$ 20.51	\$ -	\$ 19.61
500,001-1 Million	\$ -	\$ 20.51	\$ -	\$ 19.61	\$ -	\$ 20.51	\$ -	\$ 19.61
> 1 Million	\$ -	\$ 20.51	\$ -	\$ 19.61	\$ -	\$ 20.51	\$ -	\$ 19.61

Sources:

(A) - (L) Weighted unit costs for corrective actions based on compliance forecasts (Exhibits D.1 - D.4 of the final RTCR EA<sup>1</sup>) and unit costs (Exhibits D.5 - D.7 of the final RTCR EA).

<sup>1</sup>US Environmental Protection Agency. 2010. Economic Analysis for the Final Revised Total Coliform Rule (EPA 815-R-10-001).

**Exhibit A.24 PWS Unit Burden and Cost Estimates for Public Notification**

PWS Size (Population Served)	Tier 1 (acute)		Tier 2 (non-acute)											
	Labor Cost (per hour)	Average Number of Service Connections per System	Preparation (labor) (hours/ violation)	Distribution (labor) (hours/ violation)	Unit Burden	Distribution (O&M Cost/ notice) (\$/service connection)	Unit Cost (Labor)	Unit Cost (O&M)	Preparation (labor) (hours/ violation)	Distribution (labor) (hours/ violation)	Unit Burden	Distribution (O&M Cost/notice) (\$/service connection)	Unit Cost (Labor)	Unit Cost (O&M)
	A	B	C	D	E	F	G=A*E	H=B*F	I	J	K	L	M=A*K	N=B*I
<b>Community Water Systems (CWSs) - SW</b>														
≤100	\$ 25.10	440	8.5	12.0	20.5	\$ 0.05	\$ 514.55	\$ 22.00	3.5	9.0	12.5	\$ 0.05	\$ 313.75	\$ 22.00
101-500	\$ 27.03	387	8.5	12.0	20.5	\$ 0.05	\$ 554.12	\$ 19.33	3.5	9.0	12.5	\$ 0.05	\$ 337.88	\$ 19.33
501-1,000	\$ 28.96	303	8.5	12.0	20.5	\$ -	\$ 593.68	\$ -	3.5	30.0	33.5	\$ 0.26	\$ 970.16	\$ 78.89
1,001-4,100	\$ 29.73	850	8.5	12.0	20.5	\$ -	\$ 609.47	\$ -	3.5	30.0	33.5	\$ 0.26	\$ 995.96	\$ 221.04
4,101-33,000	\$ 36.00	4,288	9.2	12.0	21.2	\$ -	\$ 763.66	\$ -	3.5	30.0	33.5	\$ 0.25	\$ 1,206.00	\$ 1,053.65
33,001-96,000	\$ 36.39	17,273	10.0	12.0	22.0	\$ -	\$ 800.58	\$ -	3.5	30.0	33.5	\$ 0.23	\$ 1,219.07	\$ 3,972.81
96,001-500,000	\$ 41.01	56,465	10.0	12.0	22.0	\$ -	\$ 902.22	\$ -	3.5	30.0	33.5	\$ 0.23	\$ 1,373.84	\$ 12,986.84
500,001-1 Million	\$ 41.01	205,609	10.0	12.0	22.0	\$ -	\$ 902.22	\$ -	3.5	30.0	33.5	\$ 0.23	\$ 1,373.84	\$ 47,290.14
> 1 Million	\$ 41.01	448,564.1	10.0	12.0	22.0	\$ -	\$ 902.22	\$ -	3.5	30.0	33.5	\$ 0.23	\$ 1,373.84	\$ 103,169.73
<b>Community Water Systems (CWSs) - GW</b>														
≤100	\$ 25.10	41	8.5	12.0	20.5	\$ 0.05	\$ 514.55	\$ 2.07	3.5	9.0	12.5	\$ 0.05	\$ 313.75	\$ 2.07
101-500	\$ 27.03	99	8.5	12.0	20.5	\$ 0.05	\$ 554.12	\$ 4.93	3.5	9.0	12.5	\$ 0.05	\$ 337.88	\$ 4.93
501-1,000	\$ 28.96	315	8.5	12.0	20.5	\$ -	\$ 593.68	\$ -	3.5	30.0	33.5	\$ 0.26	\$ 970.16	\$ 81.91
1,001-4,100	\$ 29.73	756	8.5	12.0	20.5	\$ -	\$ 609.47	\$ -	3.5	30.0	33.5	\$ 0.26	\$ 995.96	\$ 196.65
4,101-33,000	\$ 36.00	3,495	9.0	12.0	21.0	\$ -	\$ 757.48	\$ -	3.5	30.0	33.5	\$ 0.25	\$ 1,206.00	\$ 870.93
33,001-96,000	\$ 36.39	16,366	10.0	12.0	22.0	\$ -	\$ 800.58	\$ -	3.5	30.0	33.5	\$ 0.23	\$ 1,219.07	\$ 3,764.10
96,001-500,000	\$ 41.01	50,564	10.0	12.0	22.0	\$ -	\$ 902.22	\$ -	3.5	30.0	33.5	\$ 0.23	\$ 1,373.84	\$ 11,629.67
500,001-1 Million	\$ 41.01	209,220	10.0	12.0	22.0	\$ -	\$ 902.22	\$ -	3.5	30.0	33.5	\$ 0.23	\$ 1,373.84	\$ 48,120.66
> 1 Million	\$ 41.01	473,641	10.0	12.0	22.0	\$ -	\$ 902.22	\$ -	3.5	30.0	33.5	\$ 0.23	\$ 1,373.84	\$ 108,937.51
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - SW</b>														
≤100	\$ 25.10	128	8.5	12.0	20.5	\$ 0.05	\$ 514.55	\$ 6.39	3.5	9.0	12.5	\$ 0.05	\$ 313.75	\$ 6.39
101-500	\$ 27.03	21	8.5	12.0	20.5	\$ 0.05	\$ 554.12	\$ 1.04	3.5	9.0	12.5	\$ 0.05	\$ 337.88	\$ 1.04
501-1,000	\$ 28.96	46	8.5	12.0	20.5	\$ -	\$ 593.68	\$ -	3.5	9.0	12.5	\$ 0.05	\$ 362.00	\$ 2.29
1,001-4,100	\$ 29.73	47	8.5	12.0	20.5	\$ -	\$ 609.47	\$ -	3.5	9.0	12.5	\$ 0.05	\$ 371.63	\$ 2.35
4,101-33,000	\$ 36.00	176	8.7	12.0	20.7	\$ -	\$ 745.36	\$ -	3.5	9.0	12.5	\$ 0.05	\$ 450.00	\$ 8.08
33,001-96,000	\$ 36.39	94	10.0	12.0	22.0	\$ -	\$ 800.58	\$ -	3.5	9.0	12.5	\$ 0.02	\$ 454.88	\$ 1.87
96,001-500,000	\$ 41.01	2,181	10.0	12.0	22.0	\$ -	\$ 902.22	\$ -	3.5	9.0	12.5	\$ 0.02	\$ 512.63	\$ 43.62
500,001-1 Million	\$ 41.01	-	10.0	12.0	22.0	\$ -	\$ 902.22	\$ -	3.5	9.0	12.5	\$ 0.02	\$ 512.63	\$ -
> 1 Million	\$ 41.01	-	10.0	12.0	22.0	\$ -	\$ 902.22	\$ -	3.5	9.0	12.5	\$ 0.02	\$ 512.63	\$ -
<b>Nontransient Noncommunity Water Systems (NTNCWSs) - GW</b>														
≤100	\$ 25.10	4	8.5	12.0	20.5	\$ 0.05	\$ 514.55	\$ 0.21	3.5	9.0	12.5	\$ 0.05	\$ 313.75	\$ 0.21
101-500	\$ 27.03	8	8.5	12.0	20.5	\$ 0.05	\$ 554.12	\$ 0.41	3.5	9.0	12.5	\$ 0.05	\$ 337.88	\$ 0.41
501-1,000	\$ 28.96	11	8.5	12.0	20.5	\$ -	\$ 593.68	\$ -	3.5	9.0	12.5	\$ 0.05	\$ 362.00	\$ 0.56
1,001-4,100	\$ 29.73	42	8.5	12.0	20.5	\$ -	\$ 609.47	\$ -	3.5	9.0	12.5	\$ 0.05	\$ 371.63	\$ 2.09
4,101-33,000	\$ 36.00	130	8.7	12.0	20.7	\$ -	\$ 744.94	\$ -	3.5	9.0	12.5	\$ 0.05	\$ 450.00	\$ 6.02
33,001-96,000	\$ 36.39	75	10.0	12.0	22.0	\$ -	\$ 800.58	\$ -	3.5	9.0	12.5	\$ 0.02	\$ 454.88	\$ 1.50
96,001-500,000	\$ 41.01	-	10.0	12.0	22.0	\$ -	\$ 902.22	\$ -	3.5	9.0	12.5	\$ 0.02	\$ 512.63	\$ -
500,001-1 Million	\$ 41.01	-	10.0	12.0	22.0	\$ -	\$ 902.22	\$ -	3.5	9.0	12.5	\$ 0.02	\$ 512.63	\$ -
> 1 Million	\$ 41.01	-	10.0	12.0	22.0	\$ -	\$ 902.22	\$ -	3.5	9.0	12.5	\$ 0.02	\$ 512.63	\$ -
<b>Transient Noncommunity Water Systems (TNCWSs) - SW</b>														
≤100	\$ 25.10	9	8.5	12.0	20.5	\$ 0.05	\$ 514.55	\$ 0.44	3.5	9.0	12.5	\$ 0.05	\$ 313.75	\$ 0.44
101-500	\$ 27.03	30	8.5	12.0	20.5	\$ 0.05	\$ 554.12	\$ 1.51	3.5	9.0	12.5	\$ 0.05	\$ 337.88	\$ 1.51
501-1,000	\$ 28.96	49	8.5	12.0	20.5	\$ -	\$ 593.68	\$ -	3.5	9.0	12.5	\$ 0.05	\$ 362.00	\$ 2.45
1,001-4,100	\$ 29.73	58	8.5	12.0	20.5	\$ -	\$ 609.47	\$ -	3.5	9.0	12.5	\$ 0.05	\$ 371.63	\$ 2.88
4,101-33,000	\$ 36.00	57	8.8	12.0	20.8	\$ -	\$ 747.00	\$ -	3.5	9.0	12.5	\$ 0.05	\$ 450.00	\$ 2.55
33,001-96,000	\$ 36.39	-	10.0	12.0	22.0	\$ -	\$ 800.58	\$ -	3.5	9.0	12.5	\$ 0.02	\$ 454.88	\$ -
96,001-500,000	\$ 41.01	-	10.0	12.0	22.0	\$ -	\$ 902.22	\$ -	3.5	9.0	12.5	\$ 0.02	\$ 512.63	\$ -
500,001-1 Million	\$ 41.01	-	10.0	12.0	22.0	\$ -	\$ 902.22	\$ -	3.5	9.0	12.5	\$ 0.02	\$ 512.63	\$ -
> 1 Million	\$ 41.01	2	10.0	12.0	22.0	\$ -	\$ 902.22	\$ -	3.5	9.0	12.5	\$ 0.02	\$ 512.63	\$ 0.04
<b>Transient Noncommunity Water Systems (TNCWSs) - GW</b>														
≤100	\$ 25.10	5	8.5	12.0	20.5	\$ 0.05	\$ 514.55	\$ 0.27	3.5	9.0	12.5	\$ 0.05	\$ 313.75	\$ 0.27
101-500	\$ 27.03	15	8.5	12.0	20.5	\$ 0.05	\$ 554.12	\$ 0.76	3.5	9.0	12.5	\$ 0.05	\$ 337.88	\$ 0.76
501-1,000	\$ 28.96	30	8.5	12.0	20.5	\$ -	\$ 593.68	\$ -	3.5	9.0	12.5	\$ 0.05	\$ 362.00	\$ 1.51
1,001-4,100	\$ 29.73	43	8.5	12.0	20.5	\$ -	\$ 609.47	\$ -	3.5	9.0	12.5	\$ 0.05	\$ 371.63	\$ 2.14
4,101-33,000	\$ 36.00	39	8.7	12.0	20.7	\$ -	\$ 746.87	\$ -	3.5	9.0	12.5	\$ 0.05	\$ 450.00	\$ 1.77
33,001-96,000	\$ 36.39	14	10.0	12.0	22.0	\$ -	\$ 800.58	\$ -	3.5	9.0	12.5	\$ 0.02	\$ 454.88	\$ 0.27
96,001-500,000	\$ 41.01	9	10.0	12.0	22.0	\$ -	\$ 902.22	\$ -	3.5	9.0	12.5	\$ 0.02	\$ 512.63	\$ 0.18
500,001-1 Million	\$ 41.01	1	10.0	12.0	22.0	\$ -	\$ 902.22	\$ -	3.5	9.0	12.5	\$ 0.02	\$ 512.63	\$ 0.02
> 1 Million	\$ 41.01	-	10.0	12.0	22.0	\$ -	\$ 902.22	\$ -	3.5	9.0	12.5	\$ 0.02	\$ 512.63	\$ -

Notes:

(B) Service connections per system is consistent with SDWIS 2007 4th Quarter Freeze data. Data for certain size categories (e.g., <500, 501-1,000) may seem counterintuitive. EPA is investigating the SDWIS database for any data discrepancies.

(F), (J) used to derived 1989 TCR PN costs; (F) used to derive RTCR PN costs.

Sources:

(A) Labor rates for PWSs from Exhibit A.1.

(B) SDWIS 2007 4th Quarter Freeze.

(C), (D), (G), (H) Labor hour assumptions based on best professional judgment as carried forward from the *Information Collection Request for the Public Water System Supervision Program*<sup>1</sup>

(E), (I) Distribution cost assumptions based on best professional judgment as carried forward from the original PN ICR.

<sup>1</sup>US Environmental Protection Agency. 2008. *Information Collection Request for the Public Water System Supervision Program*. OMB Control Number: 2040-0090. EPA Tracking Number: 0270.43.

**Exhibit A.25 State Unit Burden and Cost Estimates for Public Notification**

Labor Cost (per hour)	Tier 1 Consultation (labor) (hours/violation)	Tier 2 Consultation (labor) (hours/violation)	Receive/Review PN Certification (labor) (hours/violation)	File Reports (labor) (hours/violation)	Tier 1 Unit Burden	Tier 2 Unit Burden	Tier 1 Unit Cost	Tier 2 Unit Cost
A	B	C	D	E	F=B+D+E	G=C+D+E	H=A*(B+D+E)	I=A*(C+D+E)
\$ 39.22	3.00	1.10	0.20	0.10	3.30	1.40	\$ 129.42	\$ 54.91

Sources:

(A) Labor rate for state employee from Exhibit A.1.

(B), (C), (D), (E) Labor hour assumptions based on best professional judgment as carried forward from the *Information Collection Request for the Public Water System Supervision Program*<sup>1</sup>

<sup>1</sup>US Environmental Protection Agency. 2008. *Information Collection Request for the Public Water System Supervision Program*. OMB Control Number: 2040-0090. EPA Tracking Number: 0270.43.

**Exhibit A.26 Respondents, Year by Year by Activity (RTCR)**

<b>PWSs</b>										
<b>Respondents</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>	<b>Year 7</b>	<b>Year 8</b>	<b>Year 9</b>	<b>Year 10</b>
<b>Start-Up Activities</b>										
Implementation	51,612	51,612	51,612	-	-	-	-	-	-	-
Revise Sample Siting Plan	-	77,419	77,419	-	-	-	-	-	-	-
<b>Annual Activities</b>										
Routine Monitoring	-	-	-	154,837	154,837	154,837	154,837	154,837	154,837	154,837
Additional Routine Monitoring	-	-	-	1,511	1,478	1,451	1,422	1,442	1,299	1,260
Repeat Monitoring	-	-	-	5,052	4,967	4,885	4,753	4,778	4,851	4,817
Annual Site Visits	-	-	-	-	-	-	-	-	-	-
Level 1 Assessments - Non-Acute Trigger (single trigger)	-	-	-	4,888	4,802	4,655	4,766	4,646	4,822	4,611
Level 2 Assessments - Acute Violations	-	-	-	630	571	583	590	561	535	569
Level 2 Assessments - Level 2 Triggers (triggered by multiple Level 1s)	-	-	-	2,576	2,150	1,960	1,757	1,659	1,844	1,762
Corrective Actions Based on Level 1 Assessments	-	-	-	454	477	449	486	480	497	454
Corrective Actions Based on Level 2 Assessments	-	-	-	337	240	251	243	218	225	233
Public Notification	-	-	-	630	571	583	590	561	535	569
<b>PWSs with one/more Respondent Activities</b>	<b>51,612</b>	<b>129,031</b>	<b>129,031</b>	<b>154,837</b>	<b>154,837</b>	<b>154,837</b>	<b>154,837</b>	<b>154,837</b>	<b>154,837</b>	<b>154,837</b>
<b>States</b>										
<b>Respondents</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>	<b>Year 7</b>	<b>Year 8</b>	<b>Year 9</b>	<b>Year 10</b>
<b>Start-Up Activities</b>										
Implementation	57	57	57	-	-	-	-	-	-	-
Revise Sample Siting Plan	-	57	57	-	-	-	-	-	-	-
<b>Annual Activities</b>										
Annual Administration	-	-	-	-	-	-	-	-	-	-
Routine Monitoring	-	-	-	-	-	-	-	-	-	-
Additional Routine Monitoring	-	-	-	-	-	-	-	-	-	-
Repeat Monitoring	-	-	-	-	-	-	-	-	-	-
Annual Site Visits	-	-	-	-	-	-	-	-	-	-
Level 1 Assessments - Non-Acute Trigger	-	-	-	57	57	57	57	57	57	57
Level 2 Assessments - Acute Violations	-	-	-	57	57	57	57	57	57	57
Level 2 Assessments - Level 2 Triggers (triggered by multiple Level 1s)	-	-	-	57	57	57	57	57	57	57
Corrective Actions Based on Level 1 Assessments	-	-	-	57	57	57	57	57	57	57
Corrective Actions Based on Level 2 Assessments	-	-	-	57	57	57	57	57	57	57
Public Notification	-	-	-	57	57	57	57	57	57	57
<b>Sum for PWSs and States</b>										
<b>Respondents</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>	<b>Year 7</b>	<b>Year 8</b>	<b>Year 9</b>	<b>Year 10</b>
<b>PWSs</b>	51,612	129,031	129,031	154,837	154,837	154,837	154,837	154,837	154,837	154,837
<b>States and Territories</b>	57	57	57	57	57	57	57	57	57	57
<b>Yearly Total</b>	<b>51,669</b>	<b>129,088</b>	<b>129,088</b>	<b>154,894</b>	<b>154,894</b>	<b>154,894</b>	<b>154,894</b>	<b>154,894</b>	<b>154,894</b>	<b>154,894</b>

**Exhibit A.27 Respondents, Year by Year by Activity (1989 TCR)**

<b>PWSs</b>										
<b>Respondents</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>	<b>Year 7</b>	<b>Year 8</b>	<b>Year 9</b>	<b>Year 10</b>
<b>Start-Up Activities</b>										
Implementation	-	-	-	-	-	-	-	-	-	-
Revise Sample Siting Plan	-	-	-	-	-	-	-	-	-	-
<b>Annual Activities</b>										
Routine Monitoring	-	-	-	154,837	154,837	154,837	154,837	154,837	154,837	154,837
Additional Routine Monitoring	-	-	-	4,708	4,671	4,654	4,636	4,660	4,711	4,728
Repeat Monitoring	-	-	-	5,196	5,168	5,171	5,153	5,144	5,207	5,184
Annual Site Visits	-	-	-	-	-	-	-	-	-	-
Level 1 Assessments - Non-Acute Violation (single violation)	-	-	-	4,921	4,917	4,898	4,953	4,866	4,987	4,945
Level 2 Assessments - Acute Violations	-	-	-	667	720	739	685	742	751	688
Level 2 Assessments - Non-Acute Violations (multiple violations)	-	-	-	2,610	2,524	2,523	2,469	2,571	2,575	2,720
Corrective Actions Based on Level 1 Assessments	-	-	-	-	-	-	-	-	-	-
Corrective Actions Based on Level 2 Assessments	-	-	-	-	-	-	-	-	-	-
Public Notification	-	-	-	8,197	8,161	8,159	8,107	8,179	8,312	8,354
<b>PWSs with one/more Respondent Activities</b>	-	-	-	154,837	154,837	154,837	154,837	154,837	154,837	154,837
<b>States</b>										
<b>Respondents</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>	<b>Year 7</b>	<b>Year 8</b>	<b>Year 9</b>	<b>Year 10</b>
<b>Start-Up Activities</b>										
Implementation	-	-	-	-	-	-	-	-	-	-
Revise Sample Siting Plan	-	-	-	-	-	-	-	-	-	-
<b>Annual Activities</b>										
Annual Administration	-	-	-	-	-	-	-	-	-	-
Routine Monitoring	-	-	-	-	-	-	-	-	-	-
Additional Routine Monitoring	-	-	-	-	-	-	-	-	-	-
Repeat Monitoring	-	-	-	-	-	-	-	-	-	-
Annual Site Visits	-	-	-	-	-	-	-	-	-	-
Level 1 Assessments - Non-Acute Violation (single violation)	-	-	-	57	57	57	57	57	57	57
Level 2 Assessments - Acute Violations	-	-	-	57	57	57	57	57	57	57
Level 2 Assessments - Non-Acute Violations (multiple violations)	-	-	-	57	57	57	57	57	57	57
Corrective Actions Based on Level 1 Assessments	-	-	-	-	-	-	-	-	-	-
Corrective Actions Based on Level 2 Assessments	-	-	-	-	-	-	-	-	-	-
Public Notification	-	-	-	57	57	57	57	57	57	57
<b>Sum for PWSs and States</b>										
	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>	<b>Year 7</b>	<b>Year 8</b>	<b>Year 9</b>	<b>Year 10</b>
<b>PWSs</b>	-	-	-	154,837	154,837	154,837	154,837	154,837	154,837	154,837
<b>States and Territories</b>	-	-	-	57	57	57	57	57	57	57
<b>Yearly Total</b>	-	-	-	154,894	154,894	154,894	154,894	154,894	154,894	154,894

**Exhibit A.28 RTCR Net Change Respondents, Year by Year by Activity**

**PWSs**

<b>Respondents</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>	<b>Year 7</b>	<b>Year 8</b>	<b>Year 9</b>	<b>Year 10</b>
<b>Start-Up Activities</b>										
Implementation	51,612	51,612	51,612	-	-	-	-	-	-	-
Revise Sample Siting Plan	-	77,419	77,419	-	-	-	-	-	-	-
<b>Annual Activities</b>										
Routine Monitoring	-	-	-	-	-	-	-	-	-	-
Additional Routine Monitoring	-	-	-	(3,197)	(3,193)	(3,203)	(3,215)	(3,219)	(3,412)	(3,468)
Repeat Monitoring	-	-	-	(143)	(200)	(286)	(400)	(366)	(356)	(367)
Annual Site Visits	-	-	-	-	-	-	-	-	-	-
Level 1 Assessments - Non-Acute Trigger (single trigger)	-	-	-	(32)	(115)	(243)	(187)	(219)	(165)	(334)
Level 2 Assessments - Acute Violations	-	-	-	(37)	(148)	(155)	(95)	(180)	(216)	(119)
Level 2 Assessments - Level 2 Triggers (triggered by multiple Level 1s)	-	-	-	(34)	(375)	(563)	(712)	(912)	(731)	(958)
Corrective Actions Based on Level 1 Assessments	-	-	-	454	477	449	486	480	497	454
Corrective Actions Based on Level 2 Assessments	-	-	-	337	240	251	243	218	225	233
Public Notification	-	-	-	(7,567)	(7,590)	(7,576)	(7,516)	(7,617)	(7,777)	(7,784)
<b>PWSs with one/more Respondent Activities</b>	<b>51,612</b>	<b>129,031</b>	<b>129,031</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**States**

<b>Respondents</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>	<b>Year 7</b>	<b>Year 8</b>	<b>Year 9</b>	<b>Year 10</b>
<b>Start-Up Activities</b>										
Implementation	57	57	57	-	-	-	-	-	-	-
Revise Sample Siting Plan	-	57	57	-	-	-	-	-	-	-
<b>Annual Activities</b>										
Annual Administration	-	-	-	-	-	-	-	-	-	-
Routine Monitoring	-	-	-	-	-	-	-	-	-	-
Additional Routine Monitoring	-	-	-	-	-	-	-	-	-	-
Repeat Monitoring	-	-	-	-	-	-	-	-	-	-
Annual Site Visits	-	-	-	-	-	-	-	-	-	-
Level 1 Assessments - Non-Acute Trigger	-	-	-	-	-	-	-	-	-	-
Level 2 Assessments - Acute Violations	-	-	-	-	-	-	-	-	-	-
Level 2 Assessments - Level 2 Triggers (triggered by multiple Level 1s)	-	-	-	-	-	-	-	-	-	-
Corrective Actions Based on Level 1 Assessments	-	-	-	57	57	57	57	57	57	57
Corrective Actions Based on Level 2 Assessments	-	-	-	57	57	57	57	57	57	57
Public Notification	-	-	-	-	-	-	-	-	-	-

**Exhibit A.29 Responses, Year by Year by Activity (RTCR)**

**PWSs**

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>Start-Up Activities</b>										
Implementation	51,612	51,612	51,612	-	-	-	-	-	-	-
Revise Sample Siting Plan	-	77,419	77,419	-	-	-	-	-	-	-
<b>Annual Activities</b>										
Routine Monitoring	-	-	-	3,553,465	3,553,488	3,553,505	3,553,520	3,553,516	3,599,332	3,599,332
Additional Routine Monitoring	-	-	-	36,209	35,391	34,725	33,987	34,467	31,443	30,483
Repeat Monitoring	-	-	-	121,084	118,946	116,896	113,621	114,240	117,425	116,552
Annual Site Visits	-	-	-	-	-	-	-	-	-	-
Level 1 Assessments - Non-Acute Trigger (single trigger)	-	-	-	4,888	4,802	4,655	4,766	4,646	4,822	4,611
Level 2 Assessments - Acute Violations	-	-	-	630	571	583	590	561	535	569
Level 2 Assessments - Level 2 Triggers (triggered by multiple Level 1s)	-	-	-	2,576	2,150	1,960	1,757	1,659	1,844	1,762
Corrective Actions Based on Level 1 Assessments	-	-	-	454	477	449	486	480	497	454
Corrective Actions Based on Level 2 Assessments	-	-	-	337	240	251	243	218	225	233
Public Notification	-	-	-	630	571	583	590	561	535	569
<b>Yearly Total</b>	<b>51,612</b>	<b>129,031</b>	<b>129,031</b>	<b>3,720,273</b>	<b>3,716,636</b>	<b>3,713,608</b>	<b>3,709,559</b>	<b>3,710,350</b>	<b>3,756,656</b>	<b>3,754,566</b>

**States**

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>Start-Up Activities</b>										
Implementation	57	57	57	-	-	-	-	-	-	-
Revise Sample Siting Plan	-	77,419	77,419	-	-	-	-	-	-	-
<b>Annual Activities</b>										
Annual Administration	-	-	-	-	-	-	-	-	-	-
Routine Monitoring	-	-	-	-	-	-	-	-	-	-
Additional Routine Monitoring	-	-	-	-	-	-	-	-	-	-
Repeat Monitoring	-	-	-	-	-	-	-	-	-	-
Annual Site Visits	-	-	-	-	-	-	-	-	-	-
Level 1 Assessments - Non-Acute Trigger	-	-	-	4,888	4,802	4,655	4,766	4,646	4,822	4,611
Level 2 Assessments - Acute Violations	-	-	-	630	571	583	590	561	535	569
Level 2 Assessments - Level 2 Triggers (triggered by multiple Level 1s)	-	-	-	2,576	2,150	1,960	1,757	1,659	1,844	1,762
Corrective Actions Based on Level 1 Assessments	-	-	-	454	477	449	486	480	497	454
Corrective Actions Based on Level 2 Assessments	-	-	-	337	240	251	243	218	225	233
Public Notification	-	-	-	630	571	583	590	561	535	569
<b>Yearly Total</b>	<b>57</b>	<b>77,476</b>	<b>77,476</b>	<b>9,515</b>	<b>8,811</b>	<b>8,482</b>	<b>8,432</b>	<b>8,126</b>	<b>8,456</b>	<b>8,199</b>

**Sum for PWSs and States**

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>PWSs</b>	51,612	129,031	129,031	3,720,273	3,716,636	3,713,608	3,709,559	3,710,350	3,756,656	3,754,566
<b>States and Territories</b>	57	77,476	77,476	9,515	8,811	8,482	8,432	8,126	8,456	8,199
<b>Yearly Total</b>	<b>51,669</b>	<b>206,506</b>	<b>206,506</b>	<b>3,729,788</b>	<b>3,725,447</b>	<b>3,722,089</b>	<b>3,717,991</b>	<b>3,718,476</b>	<b>3,765,113</b>	<b>3,762,765</b>

**Exhibit A.30 Responses, Year by Year by Activity (1989 TCR)**

<b>PWSs</b>										
	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>	<b>Year 7</b>	<b>Year 8</b>	<b>Year 9</b>	<b>Year 10</b>
<b>Start-Up Activities</b>										
Implementation	-	-	-	-	-	-	-	-	-	-
Revise Sample Siting Plan	-	-	-	-	-	-	-	-	-	-
<b>Annual Activities</b>										
Routine Monitoring	-	-	-	3,492,312	3,492,532	3,492,473	3,492,412	3,492,401	3,492,422	3,492,431
Additional Routine Monitoring	-	-	-	113,450	112,516	112,092	111,632	112,223	113,531	113,933
Repeat Monitoring	-	-	-	125,198	124,469	124,543	124,071	123,865	125,483	124,937
Annual Site Visits	-	-	-	-	-	-	-	-	-	-
Level 1 Assessments - Non-Acute Violation (single violation)	-	-	-	4,921	4,917	4,898	4,953	4,866	4,987	4,945
Level 2 Assessments - Acute Violations	-	-	-	667	720	739	685	742	751	688
Level 2 Assessments - Non-Acute Violations (multiple violations)	-	-	-	2,610	2,524	2,523	2,469	2,571	2,575	2,720
Corrective Actions Based on Level 1 Assessments	-	-	-	-	-	-	-	-	-	-
Corrective Actions Based on Level 2 Assessments	-	-	-	-	-	-	-	-	-	-
Public Notification	-	-	-	8,197	8,161	8,159	8,107	8,179	8,312	8,354
<b>Yearly Total</b>	-	-	-	<b>3,747,355</b>	<b>3,745,839</b>	<b>3,745,426</b>	<b>3,744,328</b>	<b>3,744,846</b>	<b>3,748,060</b>	<b>3,748,008</b>
<b>States</b>										
	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>	<b>Year 7</b>	<b>Year 8</b>	<b>Year 9</b>	<b>Year 10</b>
<b>Start-Up Activities</b>										
Implementation	-	-	-	-	-	-	-	-	-	-
Revise Sample Siting Plan	-	-	-	-	-	-	-	-	-	-
<b>Annual Activities</b>										
Annual Administration	-	-	-	-	-	-	-	-	-	-
Routine Monitoring	-	-	-	-	-	-	-	-	-	-
Additional Routine Monitoring	-	-	-	-	-	-	-	-	-	-
Repeat Monitoring	-	-	-	-	-	-	-	-	-	-
Annual Site Visits	-	-	-	-	-	-	-	-	-	-
Level 1 Assessments - Non-Acute Violation (single violation)	-	-	-	4,921	4,917	4,898	4,953	4,866	4,987	4,945
Level 2 Assessments - Acute Violations	-	-	-	667	720	739	685	742	751	688
Level 2 Assessments - Non-Acute Violations (multiple violations)	-	-	-	2,610	2,524	2,523	2,469	2,571	2,575	2,720
Corrective Actions Based on Level 1 Assessments	-	-	-	-	-	-	-	-	-	-
Corrective Actions Based on Level 2 Assessments	-	-	-	-	-	-	-	-	-	-
Public Notification	-	-	-	8,197	8,161	8,159	8,107	8,179	8,312	8,354
<b>Yearly Total</b>	-	-	-	<b>16,395</b>	<b>16,322</b>	<b>16,318</b>	<b>16,213</b>	<b>16,357</b>	<b>16,625</b>	<b>16,707</b>
<b>Sum for PWSs and States</b>										
	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>	<b>Year 7</b>	<b>Year 8</b>	<b>Year 9</b>	<b>Year 10</b>
<b>PWSs</b>	-	-	-	3,747,355	3,745,839	3,745,426	3,744,328	3,744,846	3,748,060	3,748,008
<b>States and Territories</b>	-	-	-	16,395	16,322	16,318	16,213	16,357	16,625	16,707
<b>Yearly Total</b>	-	-	-	<b>3,763,750</b>	<b>3,762,160</b>	<b>3,761,744</b>	<b>3,760,542</b>	<b>3,761,203</b>	<b>3,764,685</b>	<b>3,764,715</b>



**Exhibit A.31 RTCR Net Change Responses, Year by Year by Activity**

**PWSs**

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>Start-Up Activities</b>										
Implementation	51,612	51,612	51,612	-	-	-	-	-	-	-
Revise Sample Siting Plan	-	77,419	77,419	-	-	-	-	-	-	-
<b>Annual Activities</b>										
Routine Monitoring	-	-	-	61,153	60,956	61,032	61,108	61,115	106,911	106,901
Additional Routine Monitoring	-	-	-	(77,241)	(77,124)	(77,367)	(77,646)	(77,756)	(82,088)	(83,450)
Repeat Monitoring	-	-	-	(4,114)	(5,523)	(7,647)	(10,450)	(9,625)	(8,058)	(8,385)
Annual Site Visits	-	-	-	-	-	-	-	-	-	-
Level 1 Assessments - Non-Acute Trigger (single trigger)	-	-	-	(32)	(115)	(243)	(187)	(219)	(165)	(334)
Level 2 Assessments - Acute Violations	-	-	-	(37)	(148)	(155)	(95)	(180)	(216)	(119)
Level 2 Assessments - Level 2 Triggers (triggered by multiple Level 1s)	-	-	-	(34)	(375)	(563)	(712)	(912)	(731)	(958)
Corrective Actions Based on Level 1 Assessments	-	-	-	454	477	449	486	480	497	454
Corrective Actions Based on Level 2 Assessments	-	-	-	337	240	251	243	218	225	233
Public Notification	-	-	-	(7,567)	(7,590)	(7,576)	(7,516)	(7,617)	(7,777)	(7,784)
<b>Yearly Total</b>	<b>51,612</b>	<b>129,031</b>	<b>129,031</b>	<b>(27,082)</b>	<b>(29,202)</b>	<b>(31,818)</b>	<b>(34,769)</b>	<b>(34,496)</b>	<b>8,596</b>	<b>6,558</b>

**States**

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>Start-Up Activities</b>										
Implementation	57	57	57	-	-	-	-	-	-	-
Revise Sample Siting Plan	-	77,419	77,419	-	-	-	-	-	-	-
<b>Annual Activities</b>										
Annual Administration	-	-	-	-	-	-	-	-	-	-
Routine Monitoring	-	-	-	-	-	-	-	-	-	-
Additional Routine Monitoring	-	-	-	-	-	-	-	-	-	-
Repeat Monitoring	-	-	-	-	-	-	-	-	-	-
Annual Site Visits	-	-	-	-	-	-	-	-	-	-
Level 1 Assessments - Non-Acute Trigger	-	-	-	(32)	(115)	(243)	(187)	(219)	(165)	(334)
Level 2 Assessments - Acute Violations	-	-	-	(37)	(148)	(155)	(95)	(180)	(216)	(119)
Level 2 Assessments - Level 2 Triggers (triggered by multiple Level 1s)	-	-	-	(34)	(375)	(563)	(712)	(912)	(731)	(958)
Corrective Actions Based on Level 1 Assessments	-	-	-	454	477	449	486	480	497	454
Corrective Actions Based on Level 2 Assessments	-	-	-	337	240	251	243	218	225	233
Public Notification	-	-	-	(7,567)	(7,590)	(7,576)	(7,516)	(7,617)	(7,777)	(7,784)
<b>Yearly Total</b>	<b>57</b>	<b>77,476</b>	<b>77,476</b>	<b>(6,880)</b>	<b>(7,510)</b>	<b>(7,836)</b>	<b>(7,781)</b>	<b>(8,231)</b>	<b>(8,168)</b>	<b>(8,508)</b>

**Sum for PWSs and States**

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>PWSs</b>	51,612	129,031	129,031	(27,082)	(29,202)	(31,818)	(34,769)	(34,496)	8,596	6,558
<b>States and Territories</b>	57	77,476	77,476	(6,880)	(7,510)	(7,836)	(7,781)	(8,231)	(8,168)	(8,508)
<b>Yearly Total</b>	<b>51,669</b>	<b>206,506</b>	<b>206,506</b>	<b>(33,961)</b>	<b>(36,713)</b>	<b>(39,654)</b>	<b>(42,550)</b>	<b>(42,727)</b>	<b>428</b>	<b>(1,950)</b>

**Exhibit A.32 Burden, Year by Year by Activity (RTCR)**

**PWSs**

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>Start-Up Activities</b>										
Implementation	619,348	619,348	619,348	-	-	-	-	-	-	-
Revise Sample Siting Plan	-	192,750	192,750	-	-	-	-	-	-	-
<b>Annual Activities</b>										
Routine Monitoring	-	-	-	3,186,637	3,186,649	3,186,658	3,186,665	3,186,663	3,209,398	3,209,398
Additional Routine Monitoring	-	-	-	18,383	17,966	17,621	17,255	17,493	15,972	15,490
Repeat Monitoring	-	-	-	89,727	88,493	87,178	84,513	85,003	86,230	85,775
Annual Site Visits	-	-	-	-	-	-	-	-	-	-
Level 1 Assessments - Non-Acute Trigger (single trigger)	-	-	-	66,340	65,556	64,135	64,517	63,170	64,690	63,225
Level 2 Assessments - Acute Violations	-	-	-	16,302	15,016	15,251	15,302	14,625	14,058	14,666
Level 2 Assessments - Level 2 Triggers (triggered by multiple Level 1s)	-	-	-	34,953	28,688	26,285	23,198	21,959	23,223	22,428
Corrective Actions Based on Level 1 Assessments	-	-	-	227	239	225	243	240	248	227
Corrective Actions Based on Level 2 Assessments	-	-	-	168	120	126	121	109	112	116
Public Notification	-	-	-	12,939	11,732	11,977	12,124	11,528	10,988	11,695
<b>Yearly Total</b>	<b>619,348</b>	<b>812,098</b>	<b>812,098</b>	<b>3,425,678</b>	<b>3,414,459</b>	<b>3,409,454</b>	<b>3,403,938</b>	<b>3,400,791</b>	<b>3,424,918</b>	<b>3,423,021</b>

**States**

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>Start-Up Activities</b>										
Implementation	27,428	27,428	27,428	-	-	-	-	-	-	-
Revise Sample Siting Plan	-	96,375	96,375	-	-	-	-	-	-	-
<b>Annual Activities</b>										
Annual Administration	-	-	-	-	-	-	-	-	-	-
Routine Monitoring	-	-	-	-	-	-	-	-	-	-
Additional Routine Monitoring	-	-	-	-	-	-	-	-	-	-
Repeat Monitoring	-	-	-	-	-	-	-	-	-	-
Annual Site Visits	-	-	-	-	-	-	-	-	-	-
Level 1 Assessments - Non-Acute Trigger	-	-	-	6,223	6,127	5,972	6,068	5,936	6,112	5,903
Level 2 Assessments - Acute Violations	-	-	-	1,538	1,412	1,427	1,432	1,367	1,310	1,371
Level 2 Assessments - Level 2 Triggers (triggered by multiple Level 1s)	-	-	-	5,869	4,879	4,408	3,946	3,719	4,058	3,879
Corrective Actions Based on Level 1 Assessments	-	-	-	227	239	225	243	240	248	227
Corrective Actions Based on Level 2 Assessments	-	-	-	168	120	126	121	109	112	116
Public Notification	-	-	-	2,079	1,885	1,924	1,948	1,852	1,765	1,879
<b>Yearly Total</b>	<b>27,428</b>	<b>123,803</b>	<b>123,803</b>	<b>16,105</b>	<b>14,662</b>	<b>14,081</b>	<b>13,759</b>	<b>13,224</b>	<b>13,606</b>	<b>13,375</b>

**Sum for PWSs and States**

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>PWSs</b>	619,348	812,098	812,098	3,425,678	3,414,459	3,409,454	3,403,938	3,400,791	3,424,918	3,423,021
<b>States and Territories</b>	27,428	123,803	123,803	16,105	14,662	14,081	13,759	13,224	13,606	13,375
<b>Yearly Total</b>	<b>646,776</b>	<b>935,901</b>	<b>935,901</b>	<b>3,441,783</b>	<b>3,429,120</b>	<b>3,423,535</b>	<b>3,417,697</b>	<b>3,414,015</b>	<b>3,438,524</b>	<b>3,436,396</b>

**Exhibit A.33 Burden, Year by Year by Activity (1989 TCR)**

**PWSs**

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>Start-Up Activities</b>										
Implementation	-	-	-	-	-	-	-	-	-	-
Revise Sample Siting Plan	-	-	-	-	-	-	-	-	-	-
<b>Annual Activities</b>										
Routine Monitoring	-	-	-	3,153,905	3,154,023	3,153,994	3,153,952	3,153,962	3,153,950	3,153,976
Additional Routine Monitoring	-	-	-	61,522	61,034	60,809	60,640	60,884	61,587	61,721
Repeat Monitoring	-	-	-	91,634	91,003	91,372	90,909	90,612	91,654	91,192
Annual Site Visits	-	-	-	-	-	-	-	-	-	-
Level 1 Assessments - Non-Acute Violation (single violation)	-	-	-	43,639	43,495	43,225	43,545	43,394	43,759	43,735
Level 2 Assessments - Acute Violations	-	-	-	6,927	7,110	7,321	6,927	7,412	7,479	6,923
Level 2 Assessments - Non-Acute Violations (multiple violations)	-	-	-	22,985	22,228	22,299	21,865	22,601	22,557	23,624
Corrective Actions Based on Level 1 Assessments	-	-	-	-	-	-	-	-	-	-
Corrective Actions Based on Level 2 Assessments	-	-	-	-	-	-	-	-	-	-
Public Notification	-	-	-	126,696	126,362	126,371	125,294	126,722	128,526	128,914
<b>Yearly Total</b>	-	-	-	<b>3,507,307</b>	<b>3,505,255</b>	<b>3,505,391</b>	<b>3,503,132</b>	<b>3,505,587</b>	<b>3,509,512</b>	<b>3,510,087</b>

**States**

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>Start-Up Activities</b>										
Implementation	-	-	-	-	-	-	-	-	-	-
Revise Sample Siting Plan	-	-	-	-	-	-	-	-	-	-
<b>Annual Activities</b>										
Annual Administration	-	-	-	-	-	-	-	-	-	-
Routine Monitoring	-	-	-	-	-	-	-	-	-	-
Additional Routine Monitoring	-	-	-	-	-	-	-	-	-	-
Repeat Monitoring	-	-	-	-	-	-	-	-	-	-
Annual Site Visits	-	-	-	-	-	-	-	-	-	-
Level 1 Assessments - Non-Acute Violation (single violation)	-	-	-	6,294	6,278	6,251	6,314	6,227	6,347	6,318
Level 2 Assessments - Acute Violations	-	-	-	1,614	1,726	1,762	1,655	1,770	1,802	1,655
Level 2 Assessments - Non-Acute Violations (multiple violations)	-	-	-	5,921	5,740	5,737	5,634	5,831	5,843	6,147
Corrective Actions Based on Level 1 Assessments	-	-	-	-	-	-	-	-	-	-
Corrective Actions Based on Level 2 Assessments	-	-	-	-	-	-	-	-	-	-
Public Notification	-	-	-	12,744	12,792	12,826	12,650	12,859	13,065	13,002
<b>Yearly Total</b>	-	-	-	<b>26,573</b>	<b>26,536</b>	<b>26,576</b>	<b>26,253</b>	<b>26,687</b>	<b>27,057</b>	<b>27,122</b>

**Sum for PWSs and States**

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>PWSs</b>	-	-	-	3,507,307	3,505,255	3,505,391	3,503,132	3,505,587	3,509,512	3,510,087
<b>States and Territories</b>	-	-	-	26,573	26,536	26,576	26,253	26,687	27,057	27,122
<b>Yearly Total</b>	-	-	-	<b>3,533,881</b>	<b>3,531,791</b>	<b>3,531,967</b>	<b>3,529,385</b>	<b>3,532,274</b>	<b>3,536,569</b>	<b>3,537,209</b>

**Exhibit A.34 RTCR Net Change Burden, Year by Year by Activity**

**PWSs**

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>Start-Up Activities</b>										
Implementation	619,348	619,348	619,348	-	-	-	-	-	-	-
Revise Sample Siting Plan	-	192,750	192,750	-	-	-	-	-	-	-
<b>Annual Activities</b>										
Routine Monitoring	-	-	-	32,732	32,626	32,663	32,714	32,702	55,448	55,422
Additional Routine Monitoring	-	-	-	(43,139)	(43,068)	(43,189)	(43,385)	(43,391)	(45,615)	(46,231)
Repeat Monitoring	-	-	-	(1,907)	(2,510)	(4,194)	(6,397)	(5,609)	(5,424)	(5,418)
Annual Site Visits	-	-	-	-	-	-	-	-	-	-
Level 1 Assessments - Non-Acute Trigger (single trigger)	-	-	-	22,702	22,061	20,910	20,973	19,776	20,931	19,489
Level 2 Assessments - Acute Violations	-	-	-	9,375	7,906	7,930	8,375	7,213	6,578	7,742
Level 2 Assessments - Level 2 Triggers (triggered by multiple Level 1s)	-	-	-	11,968	6,460	3,986	1,333	(642)	665	(1,196)
Corrective Actions Based on Level 1 Assessments	-	-	-	227	239	225	243	240	248	227
Corrective Actions Based on Level 2 Assessments	-	-	-	168	120	126	121	109	112	116
Public Notification	-	-	-	(113,757)	(114,630)	(114,394)	(113,170)	(115,194)	(117,537)	(117,219)
<b>Yearly Total</b>	<b>619,348</b>	<b>812,098</b>	<b>812,098</b>	<b>(81,630)</b>	<b>(90,796)</b>	<b>(95,937)</b>	<b>(99,194)</b>	<b>(104,796)</b>	<b>(84,593)</b>	<b>(87,066)</b>

**States**

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>Start-Up Activities</b>										
Implementation	27,428	27,428	27,428	-	-	-	-	-	-	-
Revise Sample Siting Plan	-	96,375	96,375	-	-	-	-	-	-	-
<b>Annual Activities</b>										
Annual Administration	-	-	-	-	-	-	-	-	-	-
Routine Monitoring	-	-	-	-	-	-	-	-	-	-
Additional Routine Monitoring	-	-	-	-	-	-	-	-	-	-
Repeat Monitoring	-	-	-	-	-	-	-	-	-	-
Annual Site Visits	-	-	-	-	-	-	-	-	-	-
Level 1 Assessments - Non-Acute Trigger	-	-	-	(72)	(151)	(279)	(245)	(290)	(235)	(415)
Level 2 Assessments - Acute Violations	-	-	-	(76)	(314)	(335)	(223)	(403)	(492)	(285)
Level 2 Assessments - Level 2 Triggers (triggered by multiple Level 1s)	-	-	-	(52)	(861)	(1,329)	(1,688)	(2,112)	(1,785)	(2,268)
Corrective Actions Based on Level 1 Assessments	-	-	-	227	239	225	243	240	248	227
Corrective Actions Based on Level 2 Assessments	-	-	-	168	120	126	121	109	112	116
Public Notification	-	-	-	(10,664)	(10,907)	(10,901)	(10,702)	(11,007)	(11,299)	(11,123)
<b>Yearly Total</b>	<b>27,428</b>	<b>123,803</b>	<b>123,803</b>	<b>(10,468)</b>	<b>(11,874)</b>	<b>(12,495)</b>	<b>(12,494)</b>	<b>(13,464)</b>	<b>(13,451)</b>	<b>(13,747)</b>

**Sum for PWSs and States**

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>PWSs</b>	619,348	812,098	812,098	(81,630)	(90,796)	(95,937)	(99,194)	(104,796)	(84,593)	(87,066)
<b>States and Territories</b>	27,428	123,803	123,803	(10,468)	(11,874)	(12,495)	(12,494)	(13,464)	(13,451)	(13,747)
<b>Yearly Total</b>	<b>646,776</b>	<b>935,901</b>	<b>935,901</b>	<b>(92,098)</b>	<b>(102,670)</b>	<b>(108,432)</b>	<b>(111,688)</b>	<b>(118,260)</b>	<b>(98,044)</b>	<b>(100,813)</b>

**Exhibit A.35 Costs, Year by Year by Activity (RTCR)**

**PWSs**

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>Start-Up Activities</b>										
Implementation	\$ 16,583,083	\$ 16,583,083	\$ 16,583,083	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Revise Sample Siting Plan	\$ -	\$ 5,382,834	\$ 5,382,834	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Annual Activities</b>										
Routine Monitoring (Labor + O&M)										
Labor	\$ -	\$ -	\$ -	\$ 114,740,703	\$ 114,741,002	\$ 114,741,211	\$ 114,741,424	\$ 114,741,362	\$ 115,314,124	\$ 115,314,134
Annual O&M	\$ -	\$ -	\$ -	\$ 86,127,063	\$ 86,127,921	\$ 86,128,567	\$ 86,129,159	\$ 86,128,996	\$ 87,869,696	\$ 87,869,700
Additional Routine Monitoring (Labor + O&M)										
Labor	\$ -	\$ -	\$ -	\$ 472,804	\$ 462,233	\$ 453,486	\$ 443,882	\$ 449,595	\$ 411,047	\$ 398,865
Annual O&M	\$ -	\$ -	\$ -	\$ 1,002,609	\$ 980,204	\$ 962,124	\$ 941,513	\$ 954,735	\$ 871,303	\$ 845,220
Repeat Monitoring (Labor + O&M)										
Labor	\$ -	\$ -	\$ -	\$ 2,974,862	\$ 2,940,039	\$ 2,900,282	\$ 2,807,430	\$ 2,823,937	\$ 2,846,541	\$ 2,834,986
Annual O&M	\$ -	\$ -	\$ -	\$ 2,911,479	\$ 2,853,698	\$ 2,800,622	\$ 2,725,902	\$ 2,739,708	\$ 2,832,274	\$ 2,808,864
Annual Site Visits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Level 1 Assessments - Non-Acute Trigger (single trigger)	\$ -	\$ -	\$ -	\$ 1,958,032	\$ 1,937,902	\$ 1,901,058	\$ 1,908,547	\$ 1,872,785	\$ 1,911,304	\$ 1,875,193
Level 2 Assessments - Acute Violations	\$ -	\$ -	\$ -	\$ 456,822	\$ 423,116	\$ 428,998	\$ 428,818	\$ 410,512	\$ 396,425	\$ 410,564
Level 2 Assessments - Level 2 Triggers (triggered by multiple Level 1s)	\$ -	\$ -	\$ -	\$ 935,043	\$ 765,192	\$ 699,973	\$ 617,760	\$ 584,200	\$ 613,883	\$ 593,125
Corrective Actions Based on Level 1 Assessments	\$ -	\$ -	\$ -	\$ 6,118	\$ 6,424	\$ 6,053	\$ 6,526	\$ 6,445	\$ 6,643	\$ 6,125
Corrective Actions Based on Level 2 Assessments	\$ -	\$ -	\$ -	\$ 4,413	\$ 3,185	\$ 3,302	\$ 3,183	\$ 2,859	\$ 2,944	\$ 3,040
Public Notification (Labor + O&M)										
Labor	\$ -	\$ -	\$ -	\$ 344,640	\$ 313,175	\$ 319,301	\$ 321,921	\$ 306,014	\$ 292,717	\$ 309,775
Annual O&M	\$ -	\$ -	\$ -	\$ 755	\$ 672	\$ 673	\$ 609	\$ 617	\$ 661	\$ 581
<b>Yearly Total</b>	<b>\$ 16,583,083</b>	<b>\$ 21,965,917</b>	<b>\$ 21,965,917</b>	<b>\$ 211,589,947</b>	<b>\$ 211,240,916</b>	<b>\$ 211,025,677</b>	<b>\$ 210,754,145</b>	<b>\$ 210,715,133</b>	<b>\$ 213,076,185</b>	<b>\$ 212,959,816</b>

**States**

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>Start-Up Activities</b>										
Implementation	\$ 1,075,657	\$ 1,075,657	\$ 1,075,657	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Revise Sample Siting Plan	\$ -	\$ 3,779,647	\$ 3,779,647	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Annual Activities</b>										
Annual Administration	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Routine Monitoring (Labor + O&M)										
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual O&M	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Routine Monitoring (Labor + O&M)										
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual O&M	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Repeat Monitoring (Labor + O&M)										
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual O&M	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Site Visits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Level 1 Assessments - Non-Acute Trigger (single trigger)	\$ -	\$ -	\$ -	\$ 244,039	\$ 240,274	\$ 234,195	\$ 237,993	\$ 232,807	\$ 239,714	\$ 231,518
Level 2 Assessments - Acute Violations	\$ -	\$ -	\$ -	\$ 60,333	\$ 55,387	\$ 55,969	\$ 56,145	\$ 53,625	\$ 51,357	\$ 53,750
Level 2 Assessments - Level 2 Triggers (triggered by multiple Level 1s)	\$ -	\$ -	\$ -	\$ 230,188	\$ 191,341	\$ 172,874	\$ 154,773	\$ 145,853	\$ 159,143	\$ 152,129
Corrective Actions Based on Level 1 Assessments	\$ -	\$ -	\$ -	\$ 8,906	\$ 9,360	\$ 8,805	\$ 9,524	\$ 9,411	\$ 9,740	\$ 8,906
Corrective Actions Based on Level 2 Assessments	\$ -	\$ -	\$ -	\$ 6,605	\$ 4,712	\$ 4,930	\$ 4,759	\$ 4,276	\$ 4,405	\$ 4,569
Public Notification	\$ -	\$ -	\$ -	\$ 81,545	\$ 73,923	\$ 75,469	\$ 76,396	\$ 72,635	\$ 69,228	\$ 73,689
<b>Yearly Total</b>	<b>\$ 1,075,657</b>	<b>\$ 4,855,303</b>	<b>\$ 4,855,303</b>	<b>\$ 631,615</b>	<b>\$ 574,998</b>	<b>\$ 552,242</b>	<b>\$ 539,591</b>	<b>\$ 518,608</b>	<b>\$ 533,588</b>	<b>\$ 524,561</b>

**Sum for PWSs and States**

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>PWSs</b>	\$ 16,583,083	\$ 21,965,917	\$ 21,965,917	\$ 211,589,947	\$ 211,240,916	\$ 211,025,677	\$ 210,754,145	\$ 210,715,133	\$ 213,076,185	\$ 212,959,816
<b>States and Territories</b>	\$ 1,075,657	\$ 4,855,303	\$ 4,855,303	\$ 631,615	\$ 574,998	\$ 552,242	\$ 539,591	\$ 518,608	\$ 533,588	\$ 524,561
<b>Yearly Total</b>	<b>\$ 17,658,740</b>	<b>\$ 26,821,220</b>	<b>\$ 26,821,220</b>	<b>\$ 212,221,562</b>	<b>\$ 211,815,913</b>	<b>\$ 211,577,919</b>	<b>\$ 211,293,736</b>	<b>\$ 211,233,741</b>	<b>\$ 213,609,773</b>	<b>\$ 213,484,376</b>

**Exhibit A.36 Costs, Year by Year by Activity (1989 TCR)**

<b>PWSs</b>										
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>Start-Up Activities</b>										
Implementation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Revise Sample Siting Plan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Annual Activities</b>										
Routine Monitoring (Labor + O&M)										
Labor	\$ -	\$ -	\$ -	\$ 113,878,868	\$ 113,882,117	\$ 113,881,288	\$ 113,880,077	\$ 113,880,529	\$ 113,879,965	\$ 113,880,917
Annual O&M	\$ -	\$ -	\$ -	\$ 83,857,446	\$ 83,865,318	\$ 83,863,433	\$ 83,860,971	\$ 83,860,332	\$ 83,861,680	\$ 83,861,523
Additional Routine Monitoring (Labor + O&M)										
Labor	\$ -	\$ -	\$ -	\$ 1,636,973	\$ 1,623,937	\$ 1,618,247	\$ 1,614,660	\$ 1,620,624	\$ 1,638,225	\$ 1,641,205
Annual O&M	\$ -	\$ -	\$ -	\$ 2,876,658	\$ 2,852,959	\$ 2,842,225	\$ 2,830,568	\$ 2,845,539	\$ 2,878,687	\$ 2,888,887
Repeat Monitoring (Labor + O&M)										
Labor	\$ -	\$ -	\$ -	\$ 3,019,569	\$ 2,996,914	\$ 3,014,249	\$ 2,996,826	\$ 2,984,797	\$ 3,016,595	\$ 3,000,672
Annual O&M	\$ -	\$ -	\$ -	\$ 2,938,162	\$ 2,922,861	\$ 2,919,650	\$ 2,911,882	\$ 2,907,984	\$ 2,948,262	\$ 2,935,477
Annual Site Visits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Level 1 Assessments - Non-Acute Violation (single violation)	\$ -	\$ -	\$ -	\$ 1,310,676	\$ 1,305,640	\$ 1,298,575	\$ 1,307,003	\$ 1,303,572	\$ 1,312,764	\$ 1,313,184
Level 2 Assessments - Acute Violations	\$ -	\$ -	\$ -	\$ 198,033	\$ 202,394	\$ 207,912	\$ 197,924	\$ 210,383	\$ 212,378	\$ 197,442
Level 2 Assessments - Non-Acute Violations (multiple violations)	\$ -	\$ -	\$ -	\$ 613,818	\$ 593,847	\$ 595,562	\$ 583,827	\$ 603,118	\$ 602,149	\$ 629,325
Corrective Actions Based on Level 1 Assessments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Corrective Actions Based on Level 2 Assessments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Public Notification (Labor + O&M)										
Labor	\$ -	\$ -	\$ -	\$ 3,485,616	\$ 3,473,171	\$ 3,473,257	\$ 3,445,137	\$ 3,483,391	\$ 3,528,693	\$ 3,540,146
Annual O&M	\$ -	\$ -	\$ -	\$ 837,477	\$ 835,216	\$ 834,213	\$ 834,015	\$ 835,083	\$ 835,514	\$ 838,114
<b>Yearly Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 214,653,297</b>	<b>\$ 214,554,375</b>	<b>\$ 214,548,613</b>	<b>\$ 214,462,891</b>	<b>\$ 214,535,351</b>	<b>\$ 214,714,914</b>	<b>\$ 214,726,891</b>
<b>States</b>										
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>Start-Up Activities</b>										
Implementation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Revise Sample Siting Plan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Annual Activities</b>										
Routine Monitoring (Labor + O&M)										
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual O&M	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Routine Monitoring (Labor + O&M)										
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual O&M	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Repeat Monitoring (Labor + O&M)										
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual O&M	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Site Visits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Level 1 Assessments - Non-Acute Violation (single violation)	\$ -	\$ -	\$ -	\$ 246,851	\$ 246,199	\$ 245,148	\$ 247,605	\$ 244,192	\$ 248,931	\$ 247,786
Level 2 Assessments - Acute Violations	\$ -	\$ -	\$ -	\$ 63,305	\$ 67,685	\$ 69,106	\$ 64,900	\$ 69,435	\$ 70,671	\$ 64,925
Level 2 Assessments - Non-Acute Violations (multiple violations)	\$ -	\$ -	\$ -	\$ 232,216	\$ 225,110	\$ 225,013	\$ 220,961	\$ 228,700	\$ 229,150	\$ 241,057
Corrective Actions Based on Level 1 Assessments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Corrective Actions Based on Level 2 Assessments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Public Notification	\$ -	\$ -	\$ -	\$ 499,780	\$ 501,694	\$ 502,995	\$ 496,124	\$ 504,300	\$ 512,370	\$ 509,921
<b>Yearly Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,042,153</b>	<b>\$ 1,040,687</b>	<b>\$ 1,042,263</b>	<b>\$ 1,029,589</b>	<b>\$ 1,046,626</b>	<b>\$ 1,061,122</b>	<b>\$ 1,063,689</b>
<b>Sum for PWSs and States</b>										
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>PWSs</b>	\$ -	\$ -	\$ -	\$ 214,653,297	\$ 214,554,375	\$ 214,548,613	\$ 214,462,891	\$ 214,535,351	\$ 214,714,914	\$ 214,726,891
<b>States and Territories</b>	\$ -	\$ -	\$ -	\$ 1,042,153	\$ 1,040,687	\$ 1,042,263	\$ 1,029,589	\$ 1,046,626	\$ 1,061,122	\$ 1,063,689
<b>Yearly Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 215,695,450</b>	<b>\$ 215,595,062</b>	<b>\$ 215,590,876</b>	<b>\$ 215,492,480</b>	<b>\$ 215,581,977</b>	<b>\$ 215,776,036</b>	<b>\$ 215,790,580</b>

**Exhibit A.37 Net Change RTCR Costs, Year by Year by Activity**

<b>PWSs</b>										
	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>	<b>Year 7</b>	<b>Year 8</b>	<b>Year 9</b>	<b>Year 10</b>
<b>Start-Up Activities</b>										
Implementation	\$ 16,583,083	\$16,583,083	\$16,583,083	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Revise Sample Siting Plan	\$ -	\$ 5,382,834	\$ 5,382,834	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Annual Activities</b>										
Routine Monitoring (Labor + O&M)										
<i>Labor</i>	\$ -	\$ -	\$ -	\$ 861,835	\$ 858,885	\$ 859,923	\$ 861,346	\$ 860,833	\$ 1,434,159	\$ 1,433,218
<i>Annual O&amp;M</i>	\$ -	\$ -	\$ -	\$ 2,269,617	\$ 2,262,602	\$ 2,265,134	\$ 2,268,188	\$ 2,268,664	\$ 4,008,015	\$ 4,008,177
Additional Routine Monitoring (Labor + O&M)										
<i>Labor</i>	\$ -	\$ -	\$ -	\$ (1,164,170)	\$ (1,161,704)	\$ (1,164,761)	\$ (1,170,779)	\$ (1,171,029)	\$ (1,227,179)	\$ (1,242,340)
<i>Annual O&amp;M</i>	\$ -	\$ -	\$ -	\$ (1,874,049)	\$ (1,872,755)	\$ (1,880,101)	\$ (1,889,055)	\$ (1,890,804)	\$ (2,007,383)	\$ (2,043,667)
Repeat Monitoring Samples (Labor + O&M)										
<i>Labor</i>	\$ -	\$ -	\$ -	\$ (44,707)	\$ (56,875)	\$ (113,967)	\$ (189,396)	\$ (160,860)	\$ (170,054)	\$ (165,686)
<i>Annual O&amp;M</i>	\$ -	\$ -	\$ -	\$ (26,683)	\$ (69,163)	\$ (119,029)	\$ (185,979)	\$ (168,275)	\$ (115,988)	\$ (126,613)
Annual Site Visits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Level 1 Assessments - Non-Acute Trigger (single trigger)	\$ -	\$ -	\$ -	\$ 647,356	\$ 632,262	\$ 602,483	\$ 601,545	\$ 569,213	\$ 598,540	\$ 562,008
Level 2 Assessments - Acute Violations	\$ -	\$ -	\$ -	\$ 258,789	\$ 220,722	\$ 221,086	\$ 230,894	\$ 200,129	\$ 184,047	\$ 213,122
Level 2 Assessments - Level 2 Triggers (triggered by multiple Level 1s)	\$ -	\$ -	\$ -	\$ 321,225	\$ 171,344	\$ 104,411	\$ 33,933	\$ (18,918)	\$ 11,734	\$ (36,200)
Corrective Actions Based on Level 1 Assessments	\$ -	\$ -	\$ -	\$ 6,118	\$ 6,424	\$ 6,053	\$ 6,526	\$ 6,445	\$ 6,643	\$ 6,125
Corrective Actions Based on Level 2 Assessments	\$ -	\$ -	\$ -	\$ 4,413	\$ 3,185	\$ 3,302	\$ 3,183	\$ 2,859	\$ 2,944	\$ 3,040
Public Notification (Labor + O&M)										
<i>Labor</i>	\$ -	\$ -	\$ -	\$ (3,140,976)	\$ (3,159,996)	\$ (3,153,957)	\$ (3,123,216)	\$ (3,177,377)	\$ (3,235,976)	\$ (3,230,371)
<i>Annual O&amp;M</i>	\$ -	\$ -	\$ -	\$ (836,721)	\$ (834,544)	\$ (833,540)	\$ (833,406)	\$ (834,465)	\$ (834,853)	\$ (837,533)
<i>Tier 1 (Level 2 Acute)</i>	\$ -	\$ -	\$ -	\$ 889	\$ 789	\$ 883	\$ 832	\$ 892	\$ 808	\$ 820
<i>Tier 2 (Level 1)</i>	\$ -	\$ -	\$ -	\$ 802,508	\$ 800,782	\$ 799,523	\$ 799,899	\$ 800,695	\$ 800,987	\$ 802,450
<i>Tier 2 (Level 2 Non Acute)</i>	\$ -	\$ -	\$ -	\$ 34,080	\$ 33,645	\$ 33,807	\$ 33,284	\$ 33,495	\$ 33,718	\$ 34,843
<b>Yearly Total</b>	<b>\$ 16,583,083</b>	<b>\$21,965,917</b>	<b>\$21,965,917</b>	<b>\$ (2,717,955)</b>	<b>\$ (2,999,613)</b>	<b>\$ (3,202,962)</b>	<b>\$ (3,386,215)</b>	<b>\$ (3,513,586)</b>	<b>\$ (1,345,350)</b>	<b>\$ (1,456,719)</b>
<b>States</b>										
	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>	<b>Year 7</b>	<b>Year 8</b>	<b>Year 9</b>	<b>Year 10</b>
<b>Start-Up Activities</b>										
Implementation	\$ 1,075,657	\$ 1,075,657	\$ 1,075,657	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Revise Sample Siting Plan	\$ -	\$ 3,779,647	\$ 3,779,647	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Annual Activities</b>										
Routine Monitoring (Labor + O&M)										
<i>Labor</i>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<i>Annual O&amp;M</i>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Routine Monitoring (Labor + O&M)										
<i>Labor</i>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<i>Annual O&amp;M</i>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Repeat Monitoring Samples (Labor + O&M)										
<i>Labor</i>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<i>Annual O&amp;M</i>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Site Visits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Level 1 Assessments - Non-Acute Trigger (single trigger)	\$ -	\$ -	\$ -	\$ (2,812)	\$ (5,925)	\$ (10,953)	\$ (9,612)	\$ (11,384)	\$ (9,217)	\$ (16,268)
Level 2 Assessments - Acute Violations	\$ -	\$ -	\$ -	\$ (2,972)	\$ (12,298)	\$ (13,137)	\$ (8,754)	\$ (15,809)	\$ (19,314)	\$ (11,175)
Level 2 Assessments - Level 2 Triggers (triggered by multiple Level 1s)	\$ -	\$ -	\$ -	\$ (2,029)	\$ (33,768)	\$ (52,140)	\$ (66,187)	\$ (82,847)	\$ (70,007)	\$ (88,928)
Corrective Actions Based on Level 1 Assessments	\$ -	\$ -	\$ -	\$ 8,906	\$ 9,360	\$ 8,805	\$ 9,524	\$ 9,411	\$ 9,740	\$ 8,906
Corrective Actions Based on Level 2 Assessments	\$ -	\$ -	\$ -	\$ 6,605	\$ 4,712	\$ 4,930	\$ 4,759	\$ 4,276	\$ 4,405	\$ 4,569
Public Notification	\$ -	\$ -	\$ -	\$ (418,235)	\$ (427,770)	\$ (427,526)	\$ (419,728)	\$ (431,665)	\$ (443,141)	\$ (436,232)
<b>Yearly Total</b>	<b>\$ 1,075,657</b>	<b>\$ 4,855,303</b>	<b>\$ 4,855,303</b>	<b>\$ (410,538)</b>	<b>\$ (465,689)</b>	<b>\$ (490,021)</b>	<b>\$ (489,999)</b>	<b>\$ (528,019)</b>	<b>\$ (527,534)</b>	<b>\$ (539,128)</b>
<b>Sum for PWSs and States</b>										
	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>	<b>Year 7</b>	<b>Year 8</b>	<b>Year 9</b>	<b>Year 10</b>
<b>PWSs</b>	\$ 16,583,083	\$21,965,917	\$21,965,917	\$ (2,717,955)	\$ (2,999,613)	\$ (3,202,962)	\$ (3,386,215)	\$ (3,513,586)	\$ (1,345,350)	\$ (1,456,719)
<b>States and Territories</b>	\$ 1,075,657	\$ 4,855,303	\$ 4,855,303	\$ (410,538)	\$ (465,689)	\$ (490,021)	\$ (489,999)	\$ (528,019)	\$ (527,534)	\$ (539,128)
<b>Yearly Total</b>	<b>\$ 17,658,740</b>	<b>\$26,821,220</b>	<b>\$26,821,220</b>	<b>\$ (3,128,493)</b>	<b>\$ (3,465,302)</b>	<b>\$ (3,692,983)</b>	<b>\$ (3,876,214)</b>	<b>\$ (4,041,604)</b>	<b>\$ (1,872,884)</b>	<b>\$ (1,995,848)</b>